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SEEDS

Spray Pumps

Fertilizers

... Tools

Plants

Poultry

Supplies

PORTLAND SEED CO.

169 and 171 Second St.
PORTLAND, ORE.



— CATALOGUE INDEX —

Portland Seed Co.

169 and 171 Second Street, PORTLAND, ORE.

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— IF INTERESTED IN —

FRUIT AND ORNAMENTAL TREES AND SHRUBBERY

 WRITE FOR SPECIAL LIST.

Quantity	Name of Article Wanted	Amount
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Amount Brought Forward

Please give us here the names and addresses of some of your neighbors who use seed.

Portland Seed Company's

Catalogue and Price List.

In presenting our annual Catalogue, we would thank our patrons for their generous support of the past year, and, believing that satisfactory results have been obtained by using our goods, we feel justified in requesting your further orders. We wish to say that, with the return of better business conditions, we have deemed it wise to enlarge our quarters, and we are now occupying the stores at 169 & 171 Second street, having added to our former store the one adjoining it. This gives us nearly double the floor space which we had formerly, and we have fitted up the rooms with better fixtures and filled them with a larger stock of goods than we have carried before. With these added facilities, we are in position to fill any orders entrusted to us more promptly and in better shape than ever before.

SEEDS POST-PAID BY MAIL.

All prices on *Vegetable* and *Flower* Seeds by the packet, ounce, quarter-pound, and single pound include postage and will be delivered by us, free of all expense, to any post office in the United States, at prices named in this catalogue; but postage should be added for other goods when ordered sent by mail, at the rate of 9 cents per pound, for seed in quantities larger than one pound and for plants and bulbs, and 18 cents per pound for other goods. When ordering vegetable and flower seed to be sent at your expense, you may deduct 9 cents per pound from the single pound price given in this list.

HOW TO ORDER.

Write your Name, Postoffice, County, and State, on the order; inclose with the same sufficient money to pay for the goods, as per price given in this catalogue. Money can be sent safely either by Postoffice Order, Express Money Order, Bank Draft, or Registered Letter. Postage Stamps will be received for small amounts the same as cash.

WARRANTY.

As so many failures of seed are caused by such conditions as unfavorable weather, unsuitable soil, insect pests, etc., which are entirely beyond the control of the producer and dealer, seedsmen cannot warrant the seeds which they sell. While we shall use every precaution possible in procuring fresh and pure seeds, and shall aim to keep abreast of the market in the selection of new and tried varieties, still it will be impossible for us to hold ourselves responsible for the growth, yield or failure of the crop in any respect. Neither can we warrant other goods which we handle, but we will use the utmost care in procuring them also. If our goods are not accepted on these terms, they must be returned at once.

SEEDS IN BULK.

We carry a full stock of garden and grass seeds in bulk, from which we can supply gardeners and large farmers at the lowest market prices.

TREES, TOOLS, POULTRY SUPPLIES, FERTILIZERS, ETC.

While the handling of SEEDS is our principal business, we also carry stocks of other lines which are often handled by seed merchants, such as Fruit, Shade and Ornamental Trees, Plants, Florists Supplies, Horticultural and Garden Tools, Fertilizers and Poultry Supplies. We would call special attention to the fact that we have a full line of Potash Salts from the German Kali Works, Stassfurt, Germany, and also that we have the most complete line of poultry supplies in the Northwest, and we would request interested parties to refer to the matter in the catalogue on this subject.

BULBS.

We have a large assortment of Flowering Bulbs. If interested in this line, write for our Bulb List which is issued in the fall. Also see under head of Bulbs in latter part of this catalogue.

BEE-KEEPERS' SUPPLIES.

We would call special attention to our Bee-Keepers' Supplies. We believe that the stock which we offer is not surpassed in quality by anything in the same line in this market. If interested in Bees, send for our Catalogue of Supplies which is issued in the spring.

If you want anything in the seed line which you do not find quoted in this Catalogue, write us. We can probably supply you with it.

Wishing you all a prosperous year, we are,

Yours truly,

PORTLAND SEED COMPANY.

VALUABLE TABLES.

Table showing the number of pounds in bushels, and quantity of seed required to sow an acre of ground.

	Lbs. per Bushel.	Lbs. to Acre.		Lbs. per Bushel.	Lbs. to Acre.
Alfalfa or Lucerne.....	60..	20 to 30	Grass, Hungarian.....	48..	25 to 30
Barley—broadcast.....	56..	125 to 130	Grass, Millet, for pasture....	50..	25 to 30
Beans, Dwarf or Bush—hills	60..	40	Grass, Millet, for seed.....	50..	15
Beans, " " —drills	60..	80	Grass, Mixed Lawn.....	14..	60 to 100
Beans, Tall or Pole—hills	60..	25	A much larger quantity of seed is required to make a close, fine lawn than for other purposes.		
Beet, Garden—drills.....		6	Grass Mixture.....	36..	
Beet, Field—drills.....		4 to 6	For mowing or grazing	{ Clover Timothy (Red Top)	5 10 10
Broom Born—Drill.....	46 ..	12	Hemp—broadcast.....	44..	30 to 40
Buckwheat—broadcast.....	50..	45	Melon, Water—hills.....		2 to 3
Cabbage in beds to cover an acre after transplanting..		¼	Melon, Musk—hills.....		2 to 2½
Carrot—Drills.....		2 to 3	Oats—broadcast	36..	80 to 90
Clover, Red—broadcast....	60..	12 to 15	Onion, Black Seed—drill...		4 to 6
Clover, White—broadcast..	60..	6 to 8	Onion, Black Seed, for bot-		
Clover, Alsike—broadcast.	60..	8 to 10	tom sets.....		30
Clover, Sainfoin.....	45..	40 to 50	Onion Sets—drills.....		250
Corn, Sweet—hills.....	50..	10 to 15	Parsnip—drills.....		3 to 5
Corn, Field, to cut green for fodder—drills or broadcast.....	56..	100 to 125	Peas—drills.....	60..	75 to 100
Cucumber—hills.....		2	Peas—broadcast	60..	100 to 150
Flax—when wanted for seed	56..	30	Potatoes—hills.....	60..	500
Flax—when wanted for fibre	56..	50	Pumpkin—hills		3 to 4
Grass, Kentucky Blue, for pasture.....	14..	20 to 30	Radish—drills.....		8 to 10
Grass, Kentucky Blue, for lawns	14..	80 to 100	Rye—broadcast.....	56..	100
Grass, Orchard.....	14..	20 to 40	Sage—drills.....		8
Grass, English or Australian Rye, for meadow.....	20..	30 to 50	Spinach—drills.....		10
Grass, English or Australian Rye, for lawns.....	20..	100 to 200	Squash, Bush Varieties—hills		4
Grass, Italian Rye.....	20..	30 to 50	Squash, Running Varieties—hills		3
Grass, Red Top.....	14..	20 to 40	Sugar Cane.....		4 to 5
Grass, Timothy.....	45..	10 to 15	Tomato—in beds to trans-		
Grass, Meadow Fescue or English Blue Grass.....	20..	20 to 35	plant		½ to ¼
Grass, Mesquite, in the chaff	10..	20 to 30	Turnip and Rutabaga—drills		½ to 2
Grass, Tall Meadow Oat....	10..	30 to 50	Turnip and Rutabaga—		
			broadcast.....		3
			Vetches—broadcast.....	70..	150
			Wheat—broadcast.....	60..	80 to 100
			Wheat—drills	60..	70 to 80

Our Lawn Fertilizers will Renew Old Sods of Grass.

Quantity of Seed required to produce a given number of plants, or sow a certain quantity of ground.

Artichoke	1 oz. to 500 plants
Asparagus	1 oz. to 60 ft. of drill, or 500 plants
Beans, Dwarf	1 lb. to 50 ft. of drill
Beans, Tall	1 lb. to 75 hills
Beet	1 oz. to 50 ft. of drill
Brocoli	1 oz. to 2000 plants
Brussels Sprouts	1 oz. to 2000 plants
Cabbage	1 oz. to 2000 plants
Carrot	1 oz. to 200 ft. of drill
Cauliflower	1 oz. to 2000 plants
Celery	1 oz. to 6000 plants
Chicory	1 oz. to 100 ft. of drill
Corn	1 lb. to 150 hills
Cress	1 oz. to 100 ft. of drill
Cucumber	1 oz. to 75 hills
Egg plant	1 oz. to 1500 plants
Endive	1 oz. to 200 ft. of drill, or 3000 plants
Kale	1 oz. to 2000 plants
Kohl Rabi	1 oz. to 2000 plants

Leek	1 oz. to 200 ft. of drill
Lettuce	1 oz. to 3000 plants
Melon, Water	1 oz. to 30 hills
Melon, Musk	1 oz. to 75 hills
Okra	1 oz. to 50 ft. of drill
Onion Seed	1 oz. to 150 ft. of drill
Onion Sets	1 lb. to 20 ft. of drill
Parsnip	1 oz. to 200 ft. of drill
Parsley	1 oz. to 200 ft. of drill
Peas	1 lb. to 50 ft. of drill
Pepper	1 oz. to 1500 plants
Pumpkin	1 oz. to 40 hills
Radish	1 oz. to 100 ft. of drill
Salsify	1 oz. to 60 ft. of drill
Sage	1 oz. to 200 ft. of drill
Spinach	1 oz. to 100 ft. of drill
Squash, Early	1 oz. to 50 hills
Squash, Winter	1 oz. to 15 hills
Tomato	1 oz. to 4000 plants
Tobacco	1 oz. to 10,000 plants
Turnips	1 oz. to 250 ft. of drill

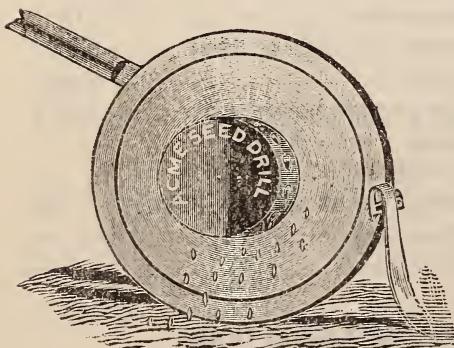
Table showing the Number of Plants or Trees to the Acre, at Given Distances.

Dist. apart.	No. plants.
$\frac{1}{2}$ foot	174,240
1 "	43,560
$1\frac{1}{2}$ feet	19,360
2 "	10,890
$2\frac{1}{2}$ "	6,969
3 "	4,840
4 "	2,722
5 "	1,742
6 "	1,210
7 "	899
8 "	680

Dist. apart.	No. plants.
9 feet	537
10 feet	435
11 "	360
12 "	302
15 "	193
16 $\frac{1}{2}$ "	160
18 "	134
20 "	108
25 "	69
30 "	48

SPECIAL PREMIUM OFFER.

THIS SEED DRILL FREE.



A Garden Seed Drill that will distribute Beet, Cabbage, Carrot, Celery, Lettuce, Radish, Turnip, and all such seeds. It sows accurately and will do Ten Times the work that can be done by hand. We offer it FREE to any one who purchases \$3.00 worth of Vegetable and Flower Seed by the packet or ounce from us at one time. We deliver it, all charges paid, at your post office. Drill alone \$1.00, or delivered \$1.25.

General List of Vegetable Seeds.

In this list, we offer the leading varieties of Vegetable Seeds, with brief horticultural directions. A few new varieties which we believe have had sufficient test to prove their merit, have been added. We have also introduced in this issue a much larger number of illustrations which we trust will aid those not familiar with different varieties in selecting such as they will wish for this season's use. In the future, as in the past, it will be our aim to furnish only such seeds as will give satisfactory results.

ARTICHOKE.

German, *Artischoke*.

French, *Artichant*.

Italian, *Articiocca*.

Large Green Globe. The variety used as a table vegetable. The edible portion is the flower head. Sow early in drills one foot apart, and when about ten inches high transplant into rows four feet apart and two feet in the row. Mulch during dry weather. It prefers rich, deep loam and should be well manured every spring. Will produce only a small crop the first year, but continues in good bearing about five years. Pkt. 5c.; 1 oz. 30c., $\frac{1}{4}$ lb. 90c.

For Artichoke Tubers, see Garden Roots.

ASPARACUS.

German, *Spargel*.

French, *Asperge*.

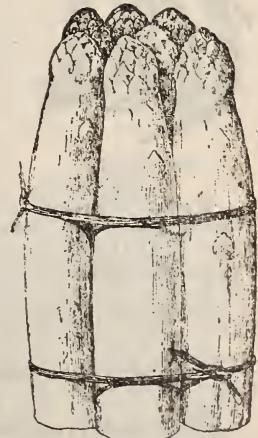
Italian, *Sparagio*.

This popular and delicious vegetable should be in every household. Sow the seed early in the spring, in drills, about one inch deep. Thin out when the plants are three or four inches high. Keep the soil mellow and free from weeds during the summer. In the fall or succeeding spring, the plants may be set in beds about one foot apart each way, and the crown six inches below the surface. The soil should be rich and deeply cultivated to secure a good crop. Do not cut too closely. The roots need the benefit of some foliage during the year. Cover with a dressing of manure in the fall, and in the spring work this into the ground. A saving of two years time may be made by purchasing plants two or three years old instead of sowing seed.

Conover's Colossal. Large and of rapid growth. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Palmetto. About the same size as Colossal, but earlier. Shades on the bright green in color. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Columbian Mammoth White. This variety is a sport from Conover's Colossal. It produces pure white shoots, and requires no artificial blanching. On this account it brings in the market a much higher price than any other sort. It is a strong grower, and comes remarkably true from seed. Pkt. 5c.; 1 oz. 10c.; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00.



Columbian Mammoth White.

For Asparagus Roots, see Garden Roots.

BEANS.German, *Bohne*French, *Haricot*.Italian, *Faginoli*.**DWARF OR BUSH.**

If ordered sent by mail, express or freight, purchaser paying charges, deduct 9 cents from single pound price.

Six pounds of seed to 100 yards of row.

We have only made a selection of the best of the many varieties of Dwarf, Bush or Snap Beans. Plant about the middle of April, if the ground is warm and the season favorable. The best mode of culture is in rows two feet apart, and the beans three inches apart and two inches deep in rows. Keep well hoed and draw the earth up to their stems only when dry, as earth scattered on the leaves when wet with rain or dew will cause them to rust and injure the crop.

GREEN PODDED VARIETIES.

Extra Large Refugee. Claimed to be the earliest green-podded variety. Similar to, but two weeks earlier than the old Refugee. Pkt. 10c; 1 lb. 20c; 50 lbs. \$3.50.

Early China Red Eye. Tender and early for string beans, also good for shelling. Pkt. 10c; 1 lb. 20c; 50 lbs. \$3.50.

Improved Red Valentine. The earliest Valentine Bean. Productive, tender, and of excellent flavor. Round-podded. Pkt. 10c; 1 lb. 20c; 50 lbs. \$3.50.

Early Long Yellow Six Weeks. Hardy standard variety; vine vigorous and productive. Pkt. 10c; 1 lb 20c; 50 lbs. \$3.00.

Early Mohawk. The hardiest of the bush kinds, and may safely be planted a week earlier than any other. The pods are pale green, large and broad. The vines continue in bearing a long time and will withstand a light frost. The bean is large and dark purple, mottled. Pkt. 10c; 1 lb. 20c; 50 lbs. \$3.50.



Horticultural.

Refugee or Thousand to One. The best late kind: very productive. The pods are dark green veined with purple, tender and crisp, and considered the best variety for pickling. The bean is rather small, oblong, dark purple and yellow brown, mottled. Pkt. 10c; 1 lb. 20c; 50 lbs. \$3.00.

Dwarf Horticultural. A strong grower, producing a large crop. The bean is highly prized for use green-shelled, being preferred by some to the Lima; also good dry-shelled. Pkt. 10c; 1 lb 20c; 50 lbs. \$3.85.

Royal White Kidney. The bean is large, long, slightly curved, and pure white. It yields a heavy crop, and is one of the best, either green-shelled or dry. Pkt. 10c; 1 lb. 20c; 50 lbs. \$3.25.

Broad Windsor. Stalks erect, strong and shrubby. The bean is large, broad and flat. They are best green-shelled. To insure well-filled pods, pinch off the top and ends of the shoots when the pods are forming. The best of the English Dwarf Beans. Pkt. 10c; 1 lb 20c; 50 lbs. \$2.50.

Henderson's Dwarf Lima. The earliest Lima Bean known. Bean small and of fine flavor. Pkt. 10c; 1 lb. 20c; 50 lbs. \$1.50.

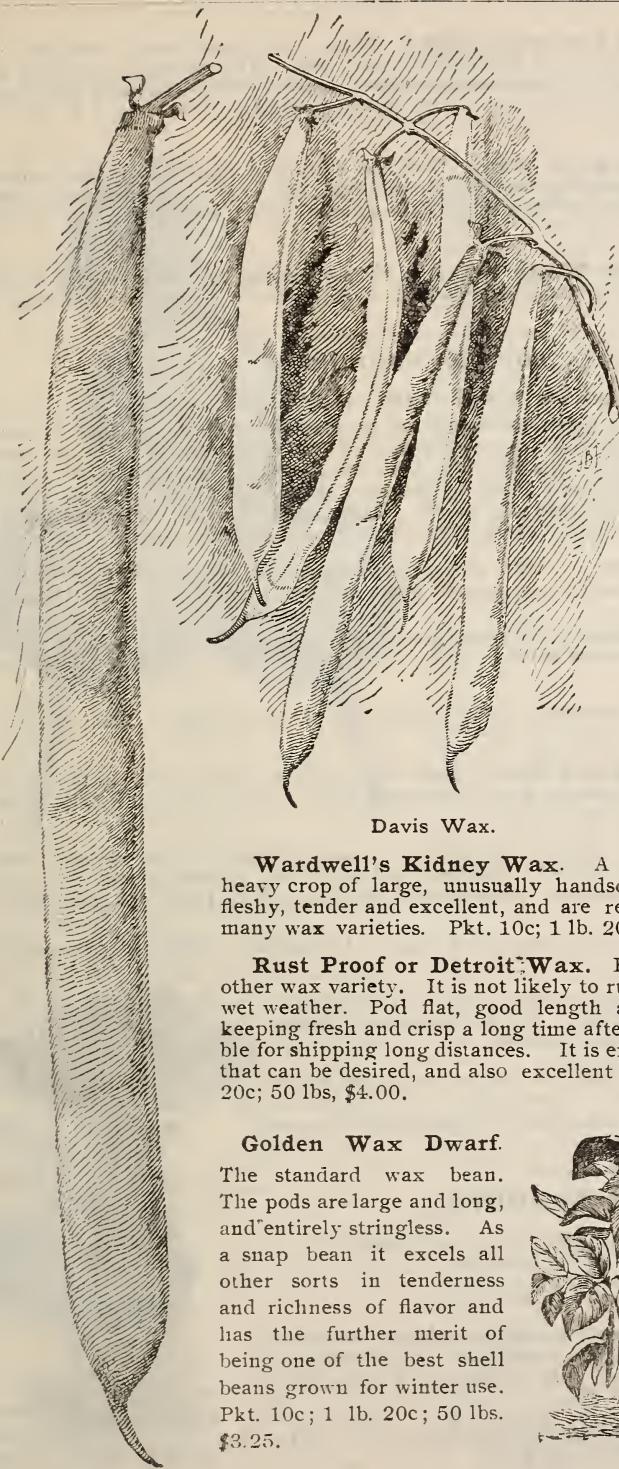
Burpee's Bush Lima. A Bush form of the large flat pole Lima. Pkt. 10c; 1 lb 25c; 50 lbs. \$5.00.

Improved Tree Bean. The most prolific field variety. Grows twenty inches high, and branches out like a tree. Pkt. 10c; 1 lb. 20c; 50 lbs. \$3.00.



Extra Early Refugee.

Use our Vegetable Fertilizer in your Vegetable Garden.



Davis Wax.

Wardwell's Kidney Wax. A robust, hardy variety, yielding a heavy crop of large, unusually handsome wax-like pods. They are fleshy, tender and excellent, and are ready for the table earlier than many wax varieties. Pkt. 10c; 1 lb. 20c; 50 lbs. \$3.75.

Rust Proof or Detroit Wax. Excelling in some respects any other wax variety. It is not likely to rust even when exposed to very wet weather. Pod flat, good length and very broad. Its quality of keeping fresh and crisp a long time after being picked makes it valuable for shipping long distances. It is extra early; quality in the pod all that can be desired, and also excellent green shelled. Pkt. 10c; 1 lb. 20c; 50 lbs. \$4.00.

Golden Wax Dwarf.

The standard wax bean. The pods are large and long, and entirely stringless. As a snap bean it excels all other sorts in tenderness and richness of flavor and has the further merit of being one of the best shell beans grown for winter use. Pkt. 10c; 1 lb. 20c; 50 lbs. \$3.25.



Golden Wax Bean.

WAX VARIETIES.

Davis Wax. New. A hardy, rustless and immensely productive bush variety. The pods are long, nearly straight, white and handsome, and are carried well up off from the ground. Cooked when young, they are tender, juicy and of fine flavor. It is one of the best for market gardeners because of its hardiness, productiveness, handsome appearance, its good shipping and selling qualities, and the small proportion of waste and second quality pods. Canners say, it is just what we want, a long, straight clear white pod which does not discolor in canning. The large, white, handsome kidney shaped dry beans are attractive, and this new bean is sure to become a very popular and standard sort. Pkt. 10c; 1 lb. 20c; 50 lbs. \$5.00.



Challenge Black Wax.

'Extra Challenge Black Wax. Extremely early, and may be considered the most desirable for first crop. The plants are vigorous and very productive; pods resemble those of the Prolific German Wax, but a little flatter. Ripe beans jet black, medium size. Pkt. 20c; 1 lb. 20c; 50 lbs. \$3.75.

Black Eyed Wax. This is as early and vigorous growing variety, yielding a great profusion of tender pods, the vine growing about 1½ feet high, holding the pods well off the ground. Pkt. 10c; 1 lb. 20c; 50 lbs. \$4.00.

German White Wax. A variety similar in every respect to the Black Wax except in color, which is pure white. Pkt. 10c; 1 lb. 20c; 50 lbs. \$4.25.

POLE OR RUNNING.

Three pounds of seed to 100 yards of row.

All under this head require poles and should not be planted until the ground is warm and all danger of frost is past, as they are more tender than the dwarf varieties. Plant about the middle of May, if the season is suitable. The Lima beans are very susceptible to cold and wet, and are apt to rot in the ground. Pinch off the ends when the plants overrun the top of the poles, to effect more perfect growth below. They succeed best in sandy loam with a shovelful of rich, light and well rotted compost to each hill, well incorporated.

Early Dutch Knife Case. This is one of the earliest and most prolific varieties; it has long, flat pods, with white seeds, and is good green or dry. Pod green. Pkt. 10c; 1 lb. 20c; 50 lbs. \$4.50.

Dreer's Improved Lima. This variety gives a much larger yield and is much earlier than the old variety known as large White Lima. Pod green. Pkt. 10c; 1 lb. 25c; 50 lbs. \$5.00.

Early Golden Cluster. Extra early, productive, of good quality. Pkt. 10c; 1 lb. 25c; 50 lbs. \$5.00.

Indian Chief or Tall Black Wax. Remarkable for its fine, tender, succulent, and richly colored pods which are produced in great abundance. Pkt. 10c; 1 lb. 25c; 50 lbs. \$4.50.

London Horticultural. Very desirable for the family garden. Vines vigorous, bearing light green pods, streaked with red. The bean is large, oval, cream-colored, beautifully splashed with red, and has no superior green-shelled or dry. Pkt. 10c; 1 lb. 25c; 50 lbs. \$5.00.

Kentucky Wonder. Pods green, very long. Productive. Pkt. 10c; 1 lb. 25c; 50 lbs. \$5.00.

Asparagus. Pods long and slender, sometimes growing to one foot in length. Green in color. A good yielder, and extensively used for canning. Pkt. 10c; 1 lb. 30c.

Scarlet Runner. The most productive perhaps of all the Kidney Beans. It is cultivated for the beauty of its flowers, as well as for the economical uses to which its pods and seeds can be applied. Pkt. 10c; 1 lb. 30c.

BRUSSELS SPROUTS.

German, *Gruner Kopfkohl*. French, *Chou de Bruxelles*.

Italian, *Cavolo a germoglio*.

One ounce of seed to 100 yards of row.

Produces from the stem small heads, resembling miniature cabbages. The sprouts are used as greens, and become very tender when touched by the frost. Sow in May, and manage the same as winter cabbage.

Dwarf Improved. Producing compact sprouts of extra quality. Pkt. 5c; 1 oz. 10c; ¼ lb. 35c; \$1.25.

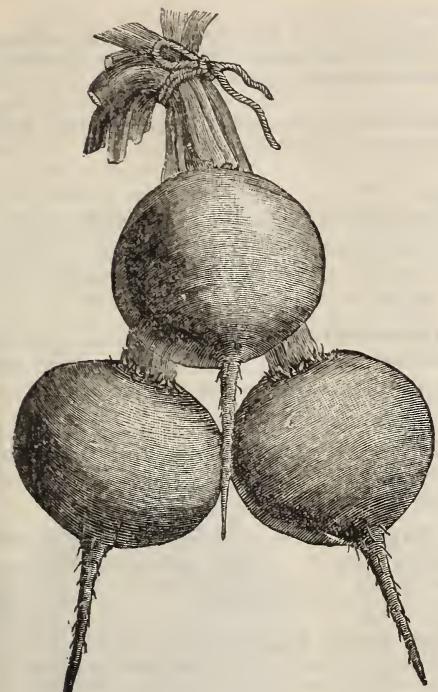


Brussels Sprouts.

BEET.

German, *Runkel Ruebe*. French, *Bettave*. Italian, *Barbabietola*.

Five ounces of seed to 100 yards of row.



Eclipse Beet.

The Beet is universally cultivated, even in the smallest vegetable gardens, and used in all its stages of growth. The soil best suited for beet culture is that which is rather light, provided it is well enriched with manure. Sow in drills one foot apart and one inch deep, as early as the ground can be worked in the spring, for an early supply. When the plants are large enough, thin out to stand six or eight inches apart in the rows. Continue sowing for a succession as late as the middle of July for the early varieties. Keep free from weeds by hand weeding and hoeing, unless they are planted far enough apart to use a cultivator. The Sugar and Mangel-Wurzel varieties are grown for feeding stock, and should be sown from April to June in drills two feet apart, and afterwards thinned out to stand one foot apart in the rows. Keep them well cultivated, and you will have an abundant crop of roots for winter use.

Eclipse. This variety has proven itself one of the best early turnip beets, yet introduced on account of its wonderfully rapid growth, small tops, and extra fine quality. Pkt. 5c; 1 oz. 7c; $\frac{1}{4}$ lb. 15c; 1 lb. 45c.

Early Bassano. This variety produces a large top and leaf stalks that are excellent cooked with the young roots. They should be used as soon as large enough, as they become coarse and tasteless with age. Flesh light red, zoned with white. Pkt. 5c; 1 oz. 7c; $\frac{1}{4}$ lb. 15c; 1 lb. 45c.



Half Long Blood.

Bastian. A very early, light-colored turnip beet. Pkt. 5c; 1 oz. 8c; $\frac{1}{4}$ lb. 15c; 1 lb. 45c.

Long Dark Blood. Excellent for winter; sweet and tender, blood red, long and smooth. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

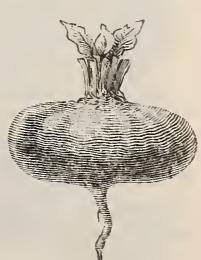
Half Long Blood. A variety of excellent quality. One of the very best for winter use; does not become woody, and keeps equally as well as the Long Dark Blood. The root is as smooth and handsome and the flesh as brilliant in color and good in quality as the best Blood Turnip varieties. Pkt. 5c; 1 oz. 7c; $\frac{1}{4}$ lb. 15c; 1 lb. 50c.

Early Blood Turnip. The leading turnip-shaped variety; of medium size, rapid growth, not liable to become woody; keeps well. Flesh, bright red, tender and sweet. Pkt. 5c; 1 oz. 7c; $\frac{1}{4}$ lb. 15c; 1 lb. 50c.

Early Egyptian. Early, red, smooth skin, small top, grows much above ground; good for spring and early summer use. Pkt. 5c; 1 oz. 7c; $\frac{1}{4}$ lb. 15c; 1 lb. 50c.

Edmand's Blood Turnip. A market gardeners' strain of great regularity in shape; deep blood skin and very dark flesh of best quality. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Swiss Chard, or Sea Kale Beet. Cultivated exclusively for its leaves and leaf stalk, which are prepared and served similar to asparagus, and are tender and delicious. If cut frequently, the young leaves re-appear and make excellent greens. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 50c.



Early Egyptian.

Early Blood Turnip.

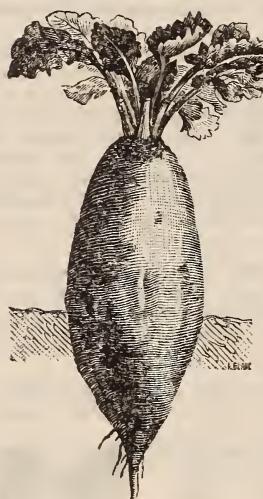
Cultivated exclusively for its leaves and leaf stalk, which are prepared and served similar to asparagus, and are tender and delicious. If cut frequently, the young leaves re-appear and make excellent greens. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 50c.

MANGEL-WURRZEL AND SUGAR BEETS.

Long Red. A large variety, producing an enormous crop; grows much above ground; flesh white, shaded with red. Pkt. 5c; $\frac{1}{4}$ lb. 15c; 1 lb. 40c; 10 lbs., express to be paid by purchaser, \$2.35.

Mammoth Long Red. An improvement on the Long Red; roots of more uniform shape; flesh darker in color, and generally better relished by stock. Produces an enormous crop. Pkt. 5c; $\frac{1}{4}$ lb. 15c; 1 lb. 40c; 10 lbs., express to be paid by purchaser, \$2.50.

Yellow Globe. A large, round, orange-colored variety, excellent quality, keeps well. Pkt. 5c; $\frac{1}{4}$ lb. 15c; 1 lb. 40c; 10 lbs., express to be paid by purchaser, \$2.50.



Golden Giant Intermediate.

Golden Tankard. This is undoubtedly one of the most profitable varieties to grow for stock, as it is an enormous cropper, and said to be the most nutritious Mangel in cultivation. Color, bright yellow. Pkt. 5c; $\frac{1}{4}$ lb. 15c; 1 lb. 40c; 10 lbs., express to be paid by purchaser, \$2.50.

Golden Giant Intermediate, or Leviathan. A variety of great merit for stock feeding. Skin, yellow; flesh, white and sweet. Pkt. 5c; $\frac{1}{4}$ lb. 15c; 1 lb. 40c; 10 lbs., express to be paid by purchaser, \$2.50.

Lane's Imperial Sugar. This is an excellent variety and one of the best for stock feeding. Pkt. 5c; $\frac{1}{4}$ lb. 15c; 1 lb. 40c; 5 lbs., express to be paid by purchaser, \$1.50.

French White Sugar. Large and excellent. The flesh is of a fine grain, tender and sweet. Superior for stock feeding, and for the table when young. Pkt. 5c; $\frac{1}{4}$ lb. 15c; 1 lb. 35c; 10 lbs., express to be paid by purchaser, \$2.50.

German Imperial White Sugar. This is the variety mostly grown in California and used in the manufacture of sugar. It gives the best results raised in sandy soil, free from alkali. It is also equal to the best for stock. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 45c.

Klein Wanzebener. This is the variety which is considered the best in Germany for producing sugar, and it is now taking the lead in this country for this purpose. Our stock of seed is imported direct from one of the most careful German growers, and should be used where the best results are desired. Pkt. 5c; $\frac{1}{4}$ lb. 15c; 1 lb. 50c; 10 lbs., purchaser to pay express, \$3.00.

BROCOLI.

German, *Spargel-Kohl*. French, *Chou Brocoli*. Italian, *Carol Brocoli*.

One ounce of seed to 100 yards of row.

Produces heads in the autumn like cauliflower but is more hardy. Sow about the middle of May; transplant in well enriched soil and manage the same as winter cabbage. For an early crop, the seed should be sown in a hot-bed and cultivated the same as early cauliflower. It succeeds best in a moist soil and cool climate and can be had in perfection from November to March.

Early Purple Cape. This is the best for the North, producing compact heads of a brownish purple and of good flavor. Pkt. 5c; 1 oz. 35c; $\frac{1}{4}$ lb. \$1.15; 1 lb. \$3.50.

White Cape. Similar to the Purple Cape except in color. Pkt. 5c; 1 oz. 35c; $\frac{1}{4}$ lb. \$1.15; 1 lb. \$3.50.

Large White French. Not as early as the above. Heads large, of a creamy white; close and most certain to head. Pkt. 5c; 1 oz. 30c; $\frac{1}{4}$ lb. \$1.15; 1 lb. \$3.50.

CABBAGE.German, *Koptkohl*.French, *Chou Pomme*Italian, *Cavolo Cappuccio*.

One ounce of seed to 100 yards of row.

Cabbage is the most universally cultivated of all garden vegetables, and will thrive in almost any soil; but to bring it to the greatest perfection, the soil should be deep, rich and moist. The ordinary method for early use is to sow in hot-bed or cold frame in winter, or very early in the spring. Some gardeners sow in the early fall and cover the plants with a cold frame until early spring. For field culture, they may be sown in beds and transplanted. Plant the early varieties one and a half to three feet apart, and the large, late kinds three to four feet apart each way. In transplanting, set the plants up to the first leaf, no matter how long the stem may be. Keep the ground well stirred and free from weeds.

The question is of frequent occurrence, Why cannot private families have cabbage as early as market gardeners? Simply because of imperfect culture and insufficient manuring. The market gardener feeds his cabbage crop without stint and with the *rankest food*, frequently plows in the manure in the autumn, turns it up in the spring and thoroughly incorporates it with the soil; plants early, cultivates deeply, not simply tickling the surface with the hand hoe, but uses the plow and the horse-shoe. That cannot always be done in small family gardens, but the spade can be used, and that is the next best thing. Use it freely, dig deeply, and the result will surprise those who have heretofore relied on the hoe alone.

We take special care to have our stock of Cabbage Seed the very best, and we feel safe in recommending it as being of the finest strain. We are sure that market gardeners who use our Cabbage Seed once will call for it again.



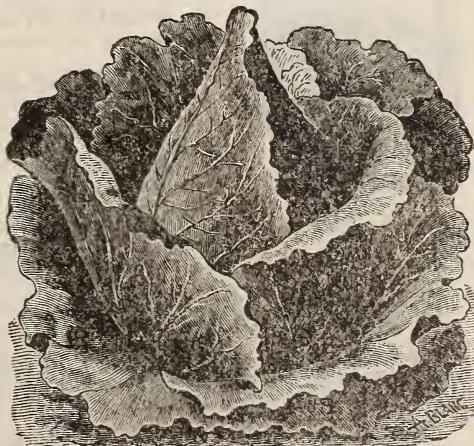
Extra Selected Early Jersey
Wakefield.

Early York. Small but very early.
Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

Winningstadt. A fine tender cabbage, excellent for summer use; will do well for fall or winter if sown late. The best variety to sow in the late summer for growing plants to winter over in the cold frame. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

Early Flat Dutch. A medium early kind. Heads large, round, slightly flattened. It grows low on the stem and is a sure header; firm, fine grained, tender and excellent. Keeps almost as well as the late kinds. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 45c; 1 lb. \$1.50.

German Filderkraut. Heads rather larger and more pointed than the Winningstadt, which it resembles. It is of excellent quality, and highly esteemed for making kraut. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.



Winningstadt.

Extra Early Express. Produces fair sized heads in eighty to eighty-five days from sowing of seed. Very valuable to the market gardener and those who grow cabbage for the early market. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.75.

Extra Selected Early Jersey Wakefield. Special strain of fine seed from the farms of one of the oldest and most reliable Cabbage Seed growers in the United States. Just the thing for market gardeners. The heads are of excellent quality and of large size for so early a variety. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.75.

Early Jersey Wakefield.—Good Stock. A different strain of the Jersey Wakefield as described above. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.25.



Henderson's
Early Summer.

Henderson's Early Summer. About ten days later than the Jersey Wakefield. The head is round and the largest of the early kinds. They can be set close in the row, as the outer leaves are small. It remains long without bursting, is firm, and of the best quality. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

Flottler's Improved Brunswick. This is without exception the best Early Drumhead variety in the market and is almost universally used by the market gardeners to succeed the earliest varieties; also for a late crop. Sure to head, often weighing from twenty to thirty pounds. The quality is excellent. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

Succession or All Seasons. Medium early; heads large, round, slightly flattened; grows low on the stem and resembles the Early Summer, except that the heads are usually larger. It is also a good keeper, and can be used as a fall and winter variety. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

Henderson's Autumn King. Enormous solid heads, dark green in color; few outer leaves, which allows an unusually large crop to be grown per acre. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.75.

Premium Flat Dutch. *Special Strain.* The standard late variety. Produces large, round heads. Flattened on top. Heads sure to form. Keeps well and is of excellent flavor, tender and sweet. Grows low on the stem. Our seed is the very best strain. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.



Premium Flat Dutch.

Stone Mason Marblehead. A large Drumhead variety; sure to head, fine grained tender, and remarkably sweet and delicious. It is very hardy, enduring severe frost and easily kept all winter. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

Premium Drumhead. *Extra Stock.* A large and very popular variety for winter. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

Marblehead Mammoth. Heads well, and will grow to an enormous size on good soil; an excellent winter cabbage. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 55c; 1 lb. \$1.75.

Red Dutch. Used for pickling. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.



Premium Drumhead.

Mammoth Rock Red. True. This is the best, largest and most reliable heading red cabbage. The head is large, round, very solid, and of a deep red color. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 65c; 1 lb. \$2.00.

Vandergaw. A sure heading, quick growing, Flat Dutch sort. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 65c; 1 lb. \$2.00.

Netted Savoy. This is the finest of the Savoy Cabbages, and a general favorite wherever it is known; of excellent flavor, surpassing that of any other late cabbage. Stands freezing best of all winter cabbages. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

Drumhead Savoy. Forms a large and compact head, very tender and excellent in winter; delicious, rich flavor. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

For Cabbage Plants, see list of Vegetable Plants.

CARROT.German, *Möhre*.French, *Carrotte*.Italian, *Carota*.

Three to four pounds of seed to the acre.

This vegetable succeeds best in sandy loam, well enriched. For early crop sow in the spring as soon as the ground is in good condition. For late crops sow until the middle of June. Sow in drills, one inch deep and eighteen inches apart, thinning out to three or four inches.



No. 1, Danver's Half-Long. No. 2, Long Orange. No. 3, Scarlet Stump Rooted. No. 4, French Forcing. No. 5, Scarlet Horn. No. 6, Oxheart.

is of extra fine quality and very productive. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Chantenay. A stump-rooted variety, having an unusually broad shoulder. One of the very best carrots for either private use or market garden. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c; 5 lbs., purchaser to pay express charges \$2.50.

Half-Long Scarlet Stump Rooted. A little later than the horn varieties, but equal to them in grain and quality; has no hard core, and is first-class for either table or stock feeding. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Improved Long Orange. The Long Red Carrot is an old stand-by for winter use. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Large White Belgian. The lower part of the root is white; that growing and exposed above ground, green. Principally used for stock feeding. Heavy cropper. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c; 5 lbs., purchaser to pay express charges, \$1.80.

Victoria. A variety of the large yellow carrot that produces an immense crop, and is highly recommended by some growers. An unusually large part of the carrot grows above the ground, making it easy to harvest the crop. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Short White. A half long, smooth variety, very heavy at the shoulder, and tapering regularly to the point. Color, light green above ground, white below. Flesh white, solid and crisp. A heavy cropper. Profitable to grow for stock. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

French Forcing.

The best forcing variety. Red, small and round. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 85c.

Early Scarlet Short Horn. A favorite summer variety; fine grain and flavor. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Oxheart, or Half-Long Guerande. This carrot is one of the most valuable, either for family use or market. It is an intermediate between the half long and horn varieties, attaining a diameter of three to four inches at the neck, and of most beautiful shape and rich orange color. It



Short White.

... Seed Drills and Cultivators...

Sow your Carrots and other Garden Seeds with one of our Seed Drills, and then use our Cultivators for keeping out the weeds.

CAULIFLOWER.

German, *Blumen-Kohl*. French, *Chou-fleur*. Italian, *Cavolo-fiore*.

One-half ounce of seed will produce 1000 plants.



**Extra Early
Dwarf Erfurt.**

Sow for early about the middle of September or October, in a bed of clean rich earth. Transplant into frames and cover with sashes and shutters during severe weather giving the plants light and air every mild day. Where this is not practicable, they may be had nearly as early by sowing the seed in a hot bed in January or February and when the plants are large enough transplant three inches apart in boxes, or in the soil of another hot-bed, until the time to plant out, say from the 20th of March to the 10th of April. If hardened off by exposure, they are seldom injured by planting out as early as the ground can be properly prepared, into a bed of the richest earth, two and a half feet apart each way. Keep them well hoed, and bring the earth gradually up to their stems, watering freely in dry weather, and especially when they begin to

head. Early Cauliflower succeeds best when brought to maturity before the summer heat sets in. The late varieties mature in the autumn, and are sown and managed similarly to winter cabbage, and transplanted in well enriched soil in July.

Extra Early Dwarf Erfurt. *Extra selected.* Remarkable for reliability in heading. Scarcely a plant fails to produce a good head. Very dwarf, with solid, pure white heads of superior quality. One of the earliest. Pkt. 10c; $\frac{1}{4}$ oz. 65c; 1 oz. \$2.00; 2 ozs. 3.75; $\frac{1}{4}$ lb. \$6.00.

Early Erfurt. *Ordinary Strain.* Pkt. 5c; 1 oz. 60c; 2 ozs. \$1.00; $\frac{1}{4}$ lb. \$1.85.

Extra Early Snowball. *Extra Selected* The earliest and handsomest of all cauliflowers. This is unquestionably the best type of cauliflower yet produced. It *excels all others* in earliness. Sown year after year, about March 1st, it has produced fine large heads early in June, every plant forming a perfect head very early. Owing to the short outer leaves, it can be planted as close as eighteen inches apart. It is equally good for late planting. Pkt. 10c; $\frac{1}{4}$ oz. 65c; 1 oz. \$2.00; 2 oz. \$3.75; $\frac{1}{4}$ lb. \$6.00.



Extra Early Snowball.

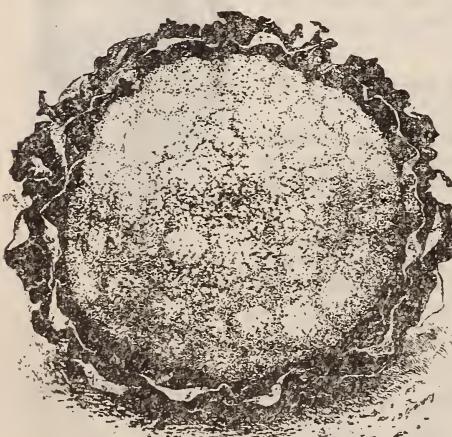
Early Snowball. *Ordinary Strain.* Pkt. 5c; 1 oz. 60c; 2 oz. \$1.00; $\frac{1}{4}$ lb. \$1.85.

Early Paris. One of the popular white sure heading varieties, for either early or late Pkt. 5c; 1 oz. 60c; 2 oz. \$1.00; $\frac{1}{4}$ lb. \$1.85.

Large Late Algiers. A fine variety, and one of the best for late use; the heads remain firm and solid for a long time. the best late Cauliflower for this section. Pkt. 5c; 1 oz. 75c; 2 oz. \$1.35; $\frac{1}{4}$ lb \$2.50.

Weitche's Autumn Giant. Vigorous in growth and very large; late. Pkt. 5c; 1 oz. 65c; 2 oz. \$1.20; $\frac{1}{4}$ lb. \$1.75; 1 lb. \$6.50.

For Cauliflower Plants, see Vegetable Plants.



Large Late Algiers.

Slug Shot and Fir Tree Oil Soap kill insects.

CELERY.German, *Selri.*French, *Celeri.*Italian, *Sedano.*

Three ounces of seed to 100 yards of row.

When two or three inches high, transplant to furrows; when eight to ten inches high, fill up the furrows, continuing at intervals to hill up till fully matured and blanched, taking care not to get earth between the stalks. The vigor and quality of the stalk is improved by partially topping when transplanting. Cultivate thoroughly and keep well watered.



Kalamazoo Perfection Heartwell Giant Pascal Golden Self-blanching Golden Hearted

Golden Self-Blanching. Close, compact, handsome; heart, beautiful golden yellow; outer stalks, yellowish white; ribs perfectly solid, crisp and well flavored; excellent keeper. A fine celery, highly recommended. Pkt. 5c; 1 oz. 25c; $\frac{1}{4}$ lb. 80c; 1 lb. \$2.50.

Perfection Heartwell. The finest and largest of the winter varieties, either for the family or the market-garden; of superior quality; heart, golden yellow. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00.

White Plume. This variety differs from many others, in the fact that it does not require banking—the stalk and white inner leaves and heart are naturally white. The blanching is completed by tying with matting or pressing the soil. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60; 1 lb. \$2.00.

Golden Hearted. A variety of great value, splendid keeper, remarkable for its fine quality. Heart of bright golden color. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.15.

Giant Pascal. Large and of unusually rapid and vigorous growth. The stalks are easily blanched. Firm, crisp and tender; of a beautiful golden tint, and possessing in a high degree the rich, nutty flavor, which is a sure indication of its superior quality. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40; 1 lb. \$1.25.



White Plume Celery.



Kalamazoo. One of the best varieties. Half dwarf. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

Giant White Solid. A standard variety and one of the largest. A strong, vigorous grower; crisp, tender and of good flavor; firm, and keeps longer than most others. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

Boston Market. A cluster of small stalks. Very fine flavor. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

Celeriac, Turnip Rooted. Roots resemble turnips. This vegetable is esteemed in Europe for a salad. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 50c.

Celeriac.

For Celery Plants, see Vegetable Plants.

CHICORY.

German, *Cichorienwurzel*. French, *Chicoree sauvage*. Italian, *Cicoria selvatica*.

Sow in April in drills half an inch deep in good, mellow soil, and cultivate like carrots. Cut up and dry the roots and roast and grind like coffee. Mix about one-fourth of ground Chicory with the coffee before cooking. It takes the deleterious effect from the coffee and improves its flavor. The plants can be blanched and used as a salad.

Large Rooted. The best known substitute for coffee.
Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 75c.

CORN SALAD, OR FETTICUS.

German, *Stecksalat*. French, *Mache*. Italian, *Valeriana*.

Sow during August or early in September, in drills a quarter of an inch deep and six inches apart. If the weather is dry when the seed is sown, tread it in lightly to insure germination. Keep down weeds with hoe. Just before the winter cover thinly with straw or leaves.

Large Seeded. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.



Corn Salad.

CORN.

German, *Maiskorn*. French, *Mais*.

If ordered sent by express or freight deduct 9c; per lb. from single pound price.

Two pounds of seed to 200 hills.

SUGAR OR SWEET.

The Sweet or Sugar varieties, being liable to rot in wet or cold ground, should not be planted until the ground has become warm. For a succession, continue planting every two weeks until the middle of July, in rich well manured ground, in hills three feet apart each way, covering about half an inch, or in rows four feet apart, and drill the seed so that the plants will stand eight inches apart in the rows.

Early Cory. The earliest sweet corn; the ears are much larger than any of the other early varieties; quality very fine. Pkt. 10c; 1 lb. 20c; 25 lbs. at 8 cts. per lb.; 50 lbs. \$3.50.

White Cob Cory. Similar to early Cory, but has white cobs. Pkt. 10c; 1 lb. 20c; 25 lbs. or over at 8c. per lb.; 50 lbs. \$3.50.

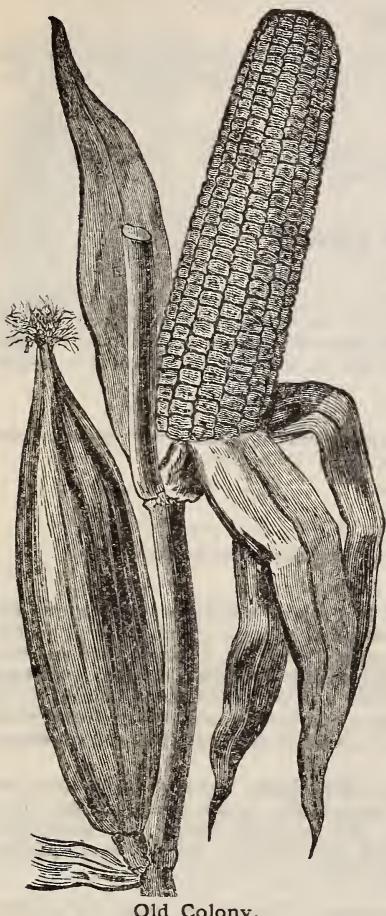
Early Adam's or Burlington. A very early variety, not strictly a sweet corn, but white and tender, and extensively used for the table. 1 lb. 20c; 25 lbs. at 8c. per lb.; 50 lbs. \$3.25.

Early Minnesota. One of the earliest kinds of Sweet Corn. The ears are of the best quality; very productive. A popular early variety. Pkt. 10c; 1 lb. 20c; 25 lbs. at 8c. per lb.; 50 lbs. \$3.25.

Crosby's Early. Early and a great favorite. Rather small ears, but productive, and of excellent quality. Pkt. 10c; 1 lb. 20c; 25 lbs at 8c. per lb.; 50 lbs. \$3.25.



Early Minnesota.

**Old Colony.**

Old Colony. Fine large ears. This is perhaps the best variety for growing west of the Cascade mountains. Our seed is from a perfectly acclimated strain.

Common Sweet. Used for general field crop for fodder. Sometimes sown thinly broadcast but usually planted in hills or drills. 1 lb. 20c; 50 lbs. \$2.75.

FIELD VARIETIES.

Early Red Blazed. An early, hardy variety, enduring considerable cold. Stalks of medium height, having few suckers. The ears are long, eight-rowed, and well filled. Kernels bright yellow at the base shading into red at the tips. 1 lb. 20c; 50 lbs. \$2.75.

King Philip. A very early variety for field corn. Ears ten to twelve inches long, eight-rowed, large reddish kernels. 1 lb. 20c; 50 lbs. \$2.50.

Early Canada (Flint). Also known as the Yellow Flint. A rapid-growing early yellow kind, and, on this account, used much for replanting. Superior where the seasons are short. 1 lb. 20c; 50 lbs. \$2.25.

Early Ohio Dent. A very early Dent variety, doing well where there are cold short summers. Has been grown in Oregon with splendid success. 1 lb. 20c; 50 lbs. \$2.50.

Early White Flint. A variety much used for making hominy. Productive, early, and of beautiful appearance. 1 lb. 20c; 50 lbs. \$2.50.

Champion White Pearl. A large, white, late Dent variety, pearly white kernels. 1 lb. 20c; 50 lbs. \$1.80.

Fodder Corn. Best for green feed. 1 lb. 20c; 50 lbs. market price.

Pop Corn. Small white. 1 lb. 20c; 50 lbs. market price.

Pop Corn. Rice. 1 lb. 20c; 50 lbs. market price.

Early Concord. Ears large, having from ten to twelve rows on the ear; a superior variety, either for the market or family use; matures earlier than any other variety of equal size. Pkt. 10c; 1 lb. 20c; 25 lbs. at 8c. per lb; 50 lbs. \$3.25.

Perry's Hybrid. Stalk of medium height. The ears are large and grow long on the stalk. Kernels large, very white, tender and sweet. Pkt. 10c; 1 lb. 20c; 25 lbs. at 8c. per lb; 50 lbs. \$3.25.

Hickox Improved. Medium early, valuable alike in the market or family garden, or for canning. The ears are 12-rowed. Pkt. 10c; 1 lb. 20c; 25 lbs. at 8c. per lb; 50 lbs. \$3.25.

Black Mexican. One of the sweetest and most desirable for family use. When dry, the kernels are black. The corn, when in condition for the table, cooks remarkably white and is very tender. It is especially rich in saccharine or sugary qualities. A good yielder. Pkt. 10c; 1 lb. 20c; 25 lbs. at 9c. per lb; 50 lbs. \$3.50.

Stowell's Evergreen. Remarkable for remaining a long time in a fresh condition, suitable for the table. Hardy and productive, and the best late variety for general use. Also very tender and sugary. Pkt. 10c; 1 lb. 20c; 25 lbs. at 7c. per lb.; 50 lbs. \$3.00.

Mammoth Sweet. Produces the largest ears of any variety, which are filled to the tip with large, full kernels; sweet, tender, delicious. A popular variety for canning; also good for market or home use. Pkt. 10c; 1 lb. 20c; 25 lbs. at 7c. per lb.; 50 lbs. \$3.00.

Country Gentleman. This is one of the newer varieties that has proven itself worth planting. The ears are from eight to nine inches long, and from three to four of them are borne on a stalk. The plant is six feet high and medium early. Pkt. 10c; 1 lb. 20c; 25 lbs. at 8c. per lb; 50 lbs. \$3.25.

BROOM CORN.

Requires soil and culture similar to corn, but to obtain the best quality of brush, the land should be rich, and well and deeply cultivated. Usually planted in drills three and a half feet apart, and thinned to four to six inches apart in the row.

Improved Evergreen. An improvement on the Common Evergreen. The result of many years' careful selection. Does not grow as tall as the old variety. The brush is fine, and of a light green tint. Pkt. 5c; 1 lb. 20c; 50 lbs. \$4.00.

CRESS OR PEPPER CRASS.

German, *Kreese*. French, *Cresson*. Italian, *Agetto*.

The leaves, when young, have a warm pungent taste, and are used as salad, either alone or mixed with other salad plants. The seed of the Curled variety germinates quickly and the plants grow rapidly. As they are milder and tenderer when young, the seed should be sown at intervals of ten to fifteen days, making the first sowing as soon as the ground can be prepared. May be cut several times.

Curled. The best variety. Upland. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20; 1 lb. 50c.

Water. Should be sown near the edge of running streams. It has a very pleasant and agreeable taste. Perennial aquatic plant. Pkt. 5c; 1 oz. 30c; $\frac{1}{4}$ lb. 90c.

CUCUMBER.

German, *Gurke*. French, *Concombre*. Italian, *Cetriolo*.

Four ounces of seed to 100 yards of row.

For very early Cucumbers, sow a few seeds in a hot bed upon pieces of sod (grass side down), so that they can be readily removed to transplant in the open ground. For general crop, sow as soon as all danger of frost is over. They succeed best in a warm, moist, rich, loamy soil. Continue planting at intervals for a succession, in hills about four feet apart each way. The hills should be previously prepared with a shovelful of well rotted manure. Thin out to four of the strongest plants to each hill. The cucumber should be gathered when large enough for use, whether required or not. If left to ripen it destroys the productiveness. For pickles, plant from June until the middle of July.



Nichol's Medium Green. A valuable variety, of medium size, straight and well formed, and abundantly productive. Color, dark green; fresh, crisp and tender, and of good flavor. It is specially adapted for pickling purposes and for slicing. Grows very quickly. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 55c.

Cool and Crisp. A new variety. The fruit is long, dark green, with white spines. The flesh is crisp and tender. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Nichol's Medium

Green Cucumber.

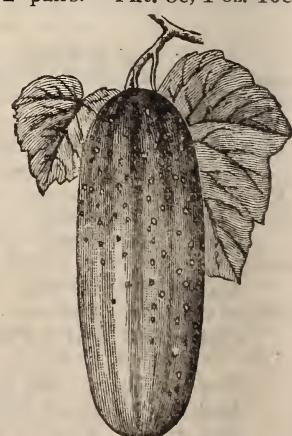
Early Russian. The earliest and hardestiest productive variety. The fruit is of small size and produced in pairs. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Early Frame, or Short Green. A good old popular variety, of medium size, straight and excellent for table use or pickling when young. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Early Cluster. A productive early kind. The fruit, which is not large, is borne in clusters, and is crisp and of good flavor. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Peerless White Spine. Even in shape at both ends and uniform in size and color. In demand for pickling; also a fine market and table sort. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 55c.

Boston Pickling. The best short pickling variety, of fine form and flavor, enormously productive, crisp and tender. Almost exclusively used by the pickle factories in this section. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 55c.



Peerless White Spine.



Long Green.

Chicago or Westerfield Pickling. A decided favorite with Chicago market gardeners. Fruit of medium length, pointed at both ends, with large and prominent spines. Color deep green. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Improved Long Green. The leading long green variety for pickling; of excellent quality and productiveness; fruit, dark green, firm and crisp. It can be gathered at any size while young for pickles. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 55c.

Small Gherkin, or Burr. Also known as the West India, or Jerusalem Pickle; used for pickling while young and tender. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c.

Japanese Climbing. The vines are healthy and vigorous, and their strong tendrils enable them to climb poles or fences. Quality is excellent either for pickling or slicing. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c.

ECC PLANT.

German, *Eierpflanze*. French, *Aubergine*. Italian, *Petocchiano*.

Should be started in a hot-bed and transplanted when the weather is settled and the ground thoroughly warm. They will thrive with the same treatment as that given the tomato.

Early Long Purple. Fruit rather long, usually largest at the blossom end; a hardy kind, productive, and of good quality. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

New York Improved, Large Purple. The leading market variety. Large, round, dark, excellent, and the most productive. Pkt. 5c; 1 oz. 35c; $\frac{1}{4}$ lb. \$1.00.

Black Pekin. Oval round, of medium size, very dark, glossy and handsome. Flesh, delicate and excellent. Prized for the family garden. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 85c.

ENDIVE.

German, *Endivien*. French, *Chicoree*. Italian, *Finocchio*.

This is a hardy vegetable, cultivated principally for a winter salad. Sow from May until August for a succession of crops; tie the leaves closely together to blanch them.

Green Curled. Standard sort for fall and winter. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ 40c; 1 lb. \$1.25.

White Curled. For early use. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.35.

Broad Leaved Batavian. (*Escarolle*.) Has broad, thick leaves, which form a large, loose head. Fine for soups and stews. If blanched by tying the outer leaves together, it makes an excellent table salad. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.25.



Endive.



Tall Scotch.

KALE, OR BORECOLE.

One ounce of seed to 100 yards of row.

German, *Blaetter Kohl*. French, *Chou Vert*. Italian, *Cavolo verde*.

While this vegetable may be grown in almost any soil, yet the richer the soil the larger the crop. Not desirable until touched by frost. Sow about the latter part of April and transplant in June. Cultivate the same as cabbage.

Dwarf Green Curled Scotch. Very dwarf and spreading. Best strain. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 4 lb. \$1.00.

Tall Scotch Curled. Bright green, spreading and beautifully curled. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00.

Siberian. (German Greens). A variety extensively grown for winter greens. It is uniformly dwarf, green curled. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00.

Jersey Winter Kale or Cow Cabbage. Leaves make valuable winter feed for cattle. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

Mosbach. In height between the Dwarf Scotch and the Extra Dwarf. Leaves bent upwards, light yellow green, double curled, white narrow ribs and veins, very showy. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

See List of Vegetable Plants.

KOHL RABI.

German, *Kohlrabi*. French, *Chou-rave*. Italian, *Cavolo rapa*.

A vegetable intermediate between the cabbage and turnip. Sow in spring, in rows eighteen inches apart, afterwards thinning the plants to eight or ten inches. If the weather is suitable, the thinnings may be planted, but it is considered difficult to transplant. Keep the weeds down, and, when the thickened stem above ground is two or three inches through, they are fit to eat and should be used at once, being tough when old. They are cooked same as turnips.

Early White Vienna. Handsome and delicate white bulb. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; \$1.35.

Early Purple Vienna. Purple ball. A good kind. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 50c.



Kohl Rabi.



Large Rouen
Leek.

LEEK.

German, *Lauch*. French, *Poireau*. Italian, *Porro*.

The Leek belongs to the onion family. Prized for soups, and is thought for this purpose to be superior to onions. Cultivation similar to that for onions, but hill up about the neck to blanch it.

Large Rouen, or American Flag. A favorite large American market sort. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.35.

Monstrous Carenton. Rather larger than the Flag, but very tender and mild on account of its rapid growth. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

LETTUCE.

German, *Salat*. French, *Laitue*. Italian, *Lattuga*.

Two ounces of seed to 100 yards of row.

Lettuce thrives best in good, rich, moist ground, and is a universal favorite, is almost free from insects and disease, which makes it of easy culture to every one. To grow fine head lettuce for the principal early crop, sow the seed in September in the open ground. Transplant when large enough into cold frames, and protect the plants during the winter in the same manner as for early cabbage, then set the plants out early in April; or sow the seeds in hot-beds in February or March, and afterward for early salad, transplant into a sheltered border with a southern exposure. For successive crops, sowings may be made in the open ground as early as the spring opens, and continued until July. Always sow thinly and thin out well, or the plants will not be strong. The last spring and summer sowings had better be grown where sown, being thinned out to stand ten or twelve inches apart, or transplanted into a cool, moist place. When wanted for cutting young, as a salad, sow rather thickly in rows or broadcast.

Simpson's Black Seeded. A variety of the Curled Simpson, but growing much larger and of excellent quality. One of the best for forcing. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. 90c.



Simpson's

Slug Shot and Fir Tree Oil Soap kill Insects.



Tennis Ball.

Simpson's Early Curled. A leading early market variety. Forms a dense mass of finely curled and wrinkled leaves that are excellent and tender and do not wilt readily. A good market kind. It is also used for very early planting and forcing. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. 90c.

Early Prize Head. Heads of mammoth size; remains tender and crisp throughout the season. Very hardy. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. 90c.

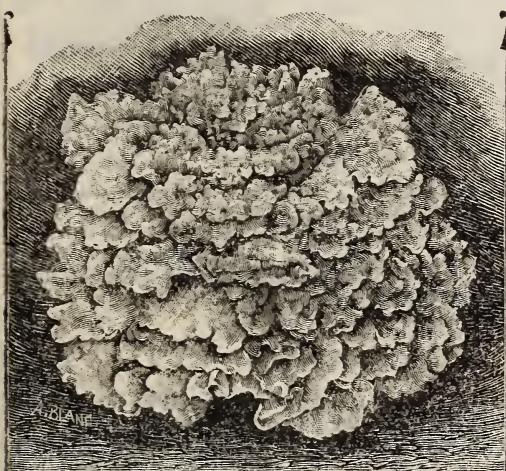
Early Tennis-Ball Black Seeded. Well formed heads; hardy and crisp, of excellent quality. One of the earliest of the heading varieties. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. 90c.

Hanson's Head. A superior curled heading variety, of large size; sweet tender and crisp, even to the outer leaves. Of a beautiful green without and white within. Free from any bitter taste, either for summer or forcing. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. 90c.

Philadelphia Butter. Forms a close, firm head, with few outer leaves. A fine variety for the family or market garden. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. 90c.



Hanson's Head.



Grand Rapids.

Grand Rapids Forcing. Large, tender heads. More extensively used for early forcing than any other variety. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 30c; 1 lb. 90c.

Denver Market. The special characteristic of this sort is that it has a beautiful, curled savoy-like leaf, which gives it a very attractive appearance. It is a Drumhead variety of very excellent quality and extremely early. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. 90c.

Large Drumhead or Victoria Cabbage. The largest of the heading lettuces. Plant very large, forming an immense loose head, bright green without and light green or white within. Leaves very large, strongly veined, coarse; but the inner ones are very crisp and tender. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. 90c.

White Paris Cos. A distinct variety, forming oblong, upright heads, largest near the top. It is hardy, tender and crisp, and does not run to seed as quickly as some other Cos varieties, of which it is generally considered the best. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 30c; 1 lb. 90c.

MELON—MUSK.

German, *Melone*. French, *Melon*. Italian, *Popone*.

Three ounces of seed to 100 yards of row.

Melons thrive the best in a light, enriched soil. Plant early, when danger of frost is past and the ground has become warm and dry, in hills six feet apart each way. Previous to sowing the seed mix a few shovelfuls of well rotted manure in each hill, then plant ten to twelve seeds. After all danger of bugs is over, thin out to three plants per hill. When about one foot long, pinch off the tips to make them branch, as it strengthens the growth of the vines and makes the fruit mature earlier. When the ground is heavy, dig holes three or four feet in diameter and eighteen inches deep; fill these with compost of well-rotted manure mixed with light, rich soil and sand, raising the soil in the hills above the level. Be careful not to plant pumpkins or squashes near them, as they will hybridize. A few hills for early use may be had by sowing on pieces of sod in a hotbed and, when warm enough, transplanting into the hills.

GREEN FLESHED.

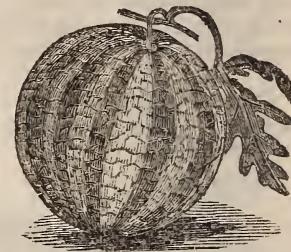
Jenny Lind. Small, but very early and of good quality; green flesh. Pkt. 5c; 1 oz. 7c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Early Baltimore, or Acme. A good sized, oval round, very desirable variety. The flesh is thick, highly flavored and sweet. Popular in the markets of the Eastern and Southern cities. Pkt. 5c; 1 oz. 7c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Cosmopolitan. A new variety. Flesh green, firm, sweet and uniformly high flavored. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Small Green Nutmeg. From the uniformity in size, it is a very profitable variety for field culture for the market; shaped round, medium size, flattened at each end, heavily netted. Pkt. 5c; 1 oz. 7c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Extra Early Hackensack. One of the most popular varieties of Musk-melon grown by market gardeners. It attains a large size, is round in shape, and flattened at the ends. Is of a most delicious flavor, and wonderfully productive. Pkt. 5c; 1 oz. 7c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.



Montreal Nutmeg.

Montreal Nutmeg. Grows to an immense size, flattened at both ends, very thick flesh and rich in flavor; often attains a weight of twenty-five pounds. Pkt. 5c; 1 oz. 7c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Skillman's Netted. Very early and of small size; flesh light green, very thick and sweet. Shape varies from oval to round. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 70c.

Casaba. Of extraordinary size and delicious flavor, usual weight from twelve to fifteen pounds. Late, oval and netted. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

YELLOW FLESHED.

Osage, or Miller's Cream. The finest flavored melon in cultivation, and the best melon grown for the market gardener, for the trucker, for the farmer, for the small planter. Without question, the sweetest of all melons. The flesh is of a rich salmon color, very sweet and melting in quality, and is very thick that the melon is almost solid, the seed cavity being remarkably small. Pkt. 5c; 1 oz. 7c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

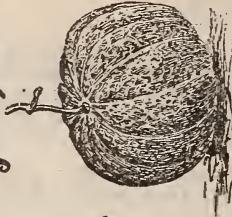
Orange Christiana. Very large, green skin; yellow flesh, delicious flavor, and is an excellent melon. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Surprise. The earliest of the yellow-fleshed varieties. Oval round, medium size, rather smooth, flesh highly flavored and delicious. Excellent for early marketing. Pkt. 5c; 1 oz. 7c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

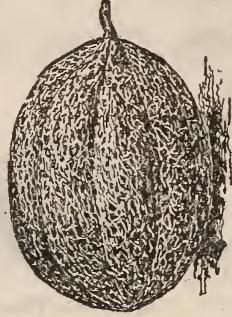
Large Yellow Cantaloupe. An oval variety, good sized, skin yellow marbled with green; flesh salmon colored, sweet, highly perfumed and of good flavor; early and productive. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Write for special prices on larger quantities of Melon seeds.

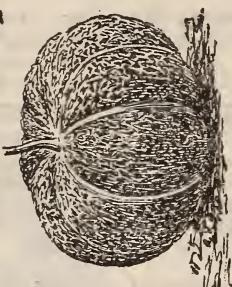
Jenny Lind.



Casaba.



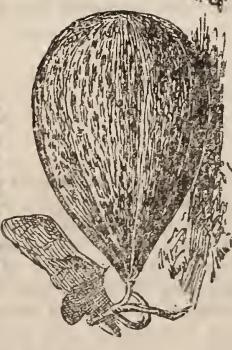
Small Green Nutmeg.

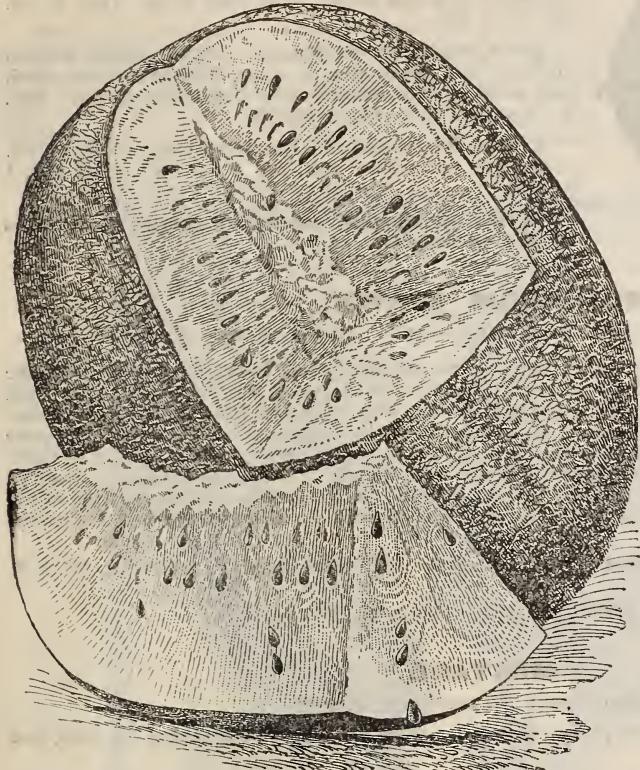


Orange.



Dwarf Melon.



MELON-WATER.German, *Wasser-Melone.* French, *Melon d'Eau.***Sweet Heart.**

red, sweet and delicious. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Dark Icing. A distinct variety, resembling in size and shape the Ice Cream or Peerless, but is lighter in color and faintly mottled. The rind is not thick, but rather firm. The flesh is remarkably juicy, sweet and delicious. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Light Icing, or Jordan's Gray Monarch. A very large variety, light green in color; flesh light red, tender and sweet. Considered by many the best melon grown. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 45c.

Kentucky Wonder. Oblong in shape; skin dark green; flesh a beautiful scarlet color; crisp and not tough, rich and sugary flavor, always firm, very solid and never mealy. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Cuban Queen. The flesh is dark red and of excellent flavor. It has a very tough rind, and carries in good condition without breakage. One of the largest varieties grown. Pkt. 5c; 1 oz. 7c; $\frac{1}{4}$ lb. 15c; 1 lb. 50c.

Kolb's Gem. A profitable variety to grow for shipping. Vines of medium size, but remarkably vigorous and healthy. Fruit of the largest size, round or slightly oval, marked with irregular mottled stripes of dark and light green in sharp contrast. Outer rind or shell exceedingly hard and firm. Flesh bright red. Pkt. 5c; 1 oz. 7c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Italian, *Cocomero.*

Three ounces of seed to 100 yards of row.

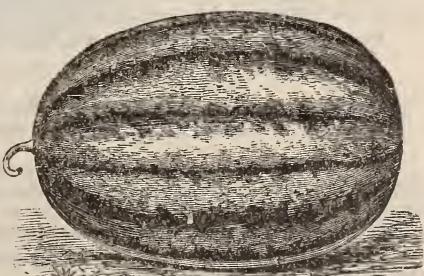
The water-melon is prized for its refreshing coolness in warm weather, and delicious sweetness. They thrive best in rather sandy soil, well manured, and planted in hills eight feet apart each way. Prepare the hills, and treat the same as described for Musk-melons.

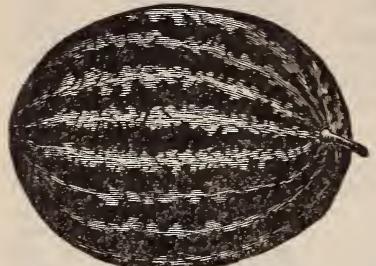
Phinney's Early. Very early, productive, and keeps well; bright red flesh, sweet, tender, and well flavored; particularly valuable for market gardeners. Pkt. 5c; 1 oz. 7c; $\frac{1}{4}$ lb. 15c; 1 lb. 45c.

Hungarian Honey. A very early sort from Hungary. Fine for northern latitudes; perfectly round, flesh brilliant red; seeds very small. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Sweet Heart. Early, large; bright skin. Flesh bright red, firm, solid, but very tender, melting and sweet. A long keeper and splendid shipper. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Black Spanish. A black seeded variety, large, round, very dark green skin; flesh

**Cuban Queen.**



Mountain Sweet.

Mountain Sweet. A general favorite with melon growers; large, and oblong; dark green; thin rind; flesh red, solid, rich and sweet. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 45c.

Ice Cream, or Peerless. White seeded; fruit of medium size, nearly round; color, pale green; thin rind, flesh solid, scarlet, crisp, and of a delicious flavor. Pkt. 5c; 1 oz. 7c; $\frac{1}{4}$ lb. 15c; 1 lb. 50c.

Citron Red-Seeded. For preserving; small, round, flesh white and solid. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Write for special prices on larger quantities of Melon Seeds.

MUSHROOM SPAWN.

German, *Schwamm*. French, *Champignon*. Italian, *Fungo pratajolo*.

The Mushroom is an edible fungus that does not produce seed, but is propagated from the white fibres resembling roots, that spread from the base of the stool, termed spawn. They are grown in cellars, caves, or wherever a uniform temperature of 60 to 70 degrees can be maintained. Make beds of fermenting manure, which should be large and deep enough to acquire a heat of about 70 degrees. When at the proper temperature, insert bits of Spawn at intervals. As soon as signs of growth appear, place two inches of soil over them and cover all with straw. Water is used if necessary, which should be warmed to the temperature of the bed. Mushrooms appear in six or eight weeks, and should be collected when at the proper size for the table.

French. Mushrooms obtained from this spawn are very highly esteemed. In 3-lb. boxes, per box \$1.50.

English. In bricks, 30c. per lb. postpaid; by express, 20c. per lb.

MUSTARD.

German, *Senf*. French, *Moutarde*.

Used alone as "greens" or with cress as salad. Sow any time in the spring, in rows, and thin out as necessary.

White English. Leaves mild, tender when young, and generally preferred for salad. The seed, which is light yellow, is largely used with pickles and in salads. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 30c.

Southern Giant Curled. Very large leaves. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ 25c; 1 lb. 70c.

NASTURTIUM.

The Nasturtium is very popular as an ornamental plant, and also for the table. The leaves, when young, are used as salad, and also in connection with the flowers for garnishing, and the seeds for capers and pickles, for which purpose they should be gathered while green and tender.

Tall Mixed. Mostly used, as they produce the largest seeds. They have also very handsome foliage and beautiful flowers. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 35c.

For other varieties see Flower list.

OKRA, OR GUMBO.

German, *Offbarer*. French, *Gombo*. Italian, *Ibisco*.

Very extensively grown in Southern states. Its long pods when young are used for flavoring soups, stews, etc., and are considered very nutritious. Grows finely in any good garden soil. Sow in drills from two to three feet apart and thin out to from nine to twelve inches apart in the row. Two ounces of seed to 100 yards of row.

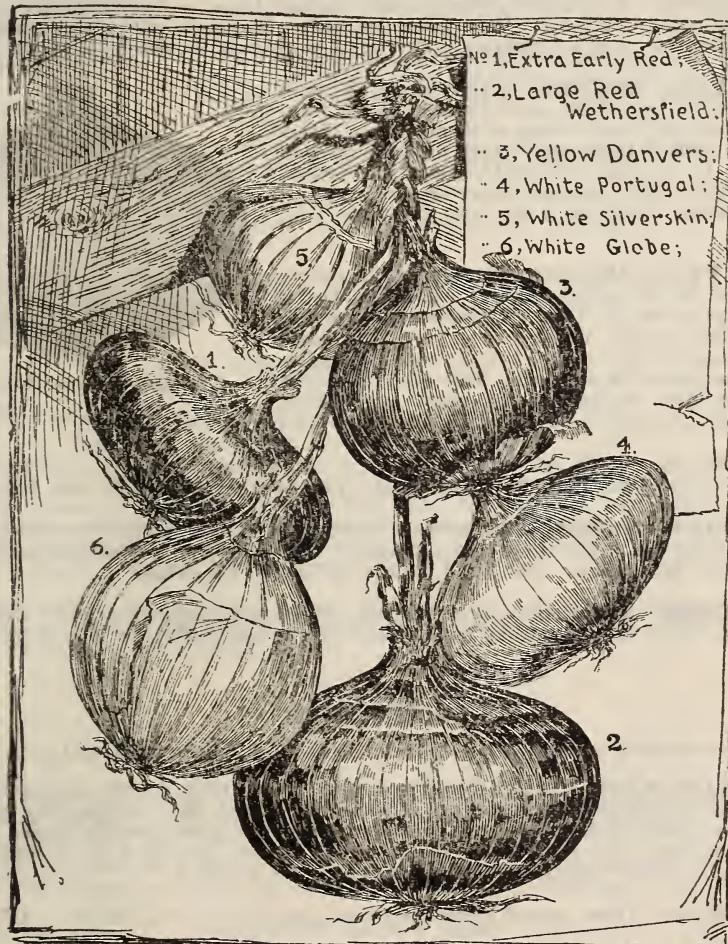
Improved Dwarf Green. Very early, with long green slender pod. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c. 1 lb. 60c.

White Velvet. The pods are smooth or very slightly ribbed, large, remain tender a long time, and are of the best quality. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

ONION.

German, *Zwiebeln*. French, *Oignon*. Italian, *Cipollo*.

Sow thinly in drills one foot apart and about one-quarter inch deep, in March or early in April, in strong land, well manured, thinning them to stand three or four inches apart in the drills and keeping them well hoed and free from weeds. For main crop, the Yellow Danver and Red Weathersfield are usually preferred. They delight in strong, rich, deep, loamy soil. The ground should be deeply dug and heavily manured with well-rotted manure, when they succeed well if grown successive years on the same ground.



Extra Early Flat Red. About ten days earlier than the Wethersfield, and somewhat smaller; close grained and heavy; mild flavor; excellent keeper. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

Early Large Red Globe. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00.

Large Red Weathersfield. Round, good size and flavor; productive, keeps well, the standard red variety. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

White Globe. A handsome, globe-shaped variety. Flesh fine, very white, rich and sweet. It is one of the best keepers of the silver skinned kinds. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

White Portugal, or Silver Skin. A good variety for family use; skin and flesh pure white; mild flavor and flat shape. The best white onion; also grown largely for sets. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Yellow Danvers. The old standard variety. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. 85c; 5 lbs. \$3.75.

Yellow Globe Danvers. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 20c; 1 lb. \$1.00.

White Pearl. Very small early white silverskin onion. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.25.

Small Queen. A very nice, silver-skinned Tripoli Onion, as remarkable for its keeping qualities as for its rapid growth. Very mild flavored. If sown thickly, they produce small, very firm bulbs, best of all for pickling. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

Extra Early Barletta. They are of a pure paper-white color, very mild and delicate in flavor; from one inch to one and a half inches in diameter, and three-fourths of an inch in thickness. Both for table use and for pickling it is most invaluable, while its extreme rapidity of growth will astonish every one who raises it for the first time. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Oregon Yellow Danvers. This improved variety is pronounced by all onion growers who have tried it the very best strain of Yellow Danvers in cultivation. It is the earliest, largest in size, most perfect in shape, the largest cropper and the best keeper, and as a market or table onion cannot be excelled. This seed is grown from selected bulbs by one of the most experienced onion growers in Oregon. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. 90c, 5 lbs. \$3.75.

Giant Rocca. Light red, of immense size and globular form. It is of rapid growth, and yields enormously. Flesh mild and sweet. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.60.

Mammoth Silver King. An immense white onion of mild flavor. Very thick through, but inclined to be flat rather than globe-shaped. Very showy and attractive in appearance. Sells well to the fancy trade. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 50; 1 lb. \$1.50.

Prize-Taker. An immense, globe-shaped, bright straw colored variety. Probably the largest globe variety known and in quality one of the best. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 60; 1 lb. \$1.60.

ONION SETS.

If ordered by express or freight deduct 9c per lb. from single pound price.

Bottom Onion Sets. Grown from black seed. Plant early in the spring in shallow drills twelve feet apart and four inches apart in the drills, and they will produce small green onions for the table in a short time. If sets are allowed to grow instead of being pulled for early table use, they will make large onions much earlier than they can be obtained from spring planting of seed. Either yellow, red or white. 1 lb. 25c.

Top Onions. These do well either for a small bunch or for large onions. 1 lb. 25c.

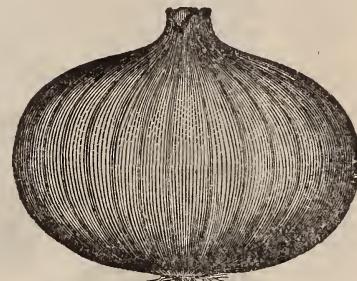
Multipliers. Grown for the green top; they do not make a first class large onion. 1 lb. 25c.

Sallots. 1 lb. 30c.

Chives. (German, *Snittlach*.) A delicate little plant belonging to the onion family, being perfectly hardy and coming quite early in the spring. 20c per bunch, postpaid.

Garlic. The Garlic is the most pungent in taste and has the strongest odor of all the onion family. It is largely used in the south of Europe for flavoring soups, stews, etc. The root or bulb is composed of many small bulbs. Bulbs per lb. 25c.

Write for prices on large quantities of Onion Sets.



"Oregon Yellow Danvers."

PARSLEY.

German, *Petersilie*. French, *Persil*. Italian, *Prezzemolo*.

Two ounces of seed to 100 yards of row.



Moss Curled.

Used for garnishing and seasoning soups, meats, etc. Succeeds best in a mellow, rich soil. Sow thickly, early in April, in rows one foot apart and one-half inch deep; thin out the plants to stand six inches apart in the rows. The seed is slow in germination, taking from three to four weeks to make its appearance, and often failing to come up in dry weather. To assist its coming up quicker, soak the seed a few hours in warm water or sprout in damp earth, and sow when they swell or burst. For winter use, protect in a frame.

Champion Moss-Curled or Fern-Leaved. Leaves bright green, beautifully curled and crested, like fern or moss; nothing better for garnishing could be desired. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ 25c; 1 lb. 75c.

Triple Curled. A fine, free growing, but not large variety. The leaves are bright green, and the plant is very hardy. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Plain. Hardier than the curled. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Hamburg or Turnip-Rooted. A fleshy-rooted kind; the roots used for flavoring soups. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

PARSNIP.

German, *Pastinake*. French, *Panaïs*. Italian, *Pastinaca*.

Three ounces of seed to 100 yards of row.

Sow as early in the spring as the weather will admit, in drills fifteen inches a part, and one-half inch deep, in a rich, deep, well manured soil, deeply dug. Cultivate similarly to carrots, and thin out to five inches apart in the rows. The roots improve by leaving in the ground over winter for spring. Valuable for feeding stock as well as for table use.

Large Sugar, or Hollow Crown. The best variety in cultivation; roots long, very smooth, white, tender, sugary and of excellent quality. Pkt. 5c; 2 oz. 15c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

**PEPPER.**

German, *Pfeffer*. French, *Piment*. Italian, *Peperone*.

One ounce of seed to 100 yards of row.

Sow in drills on a warm border, late in spring or commencement of summer, and thin them to stand sixteen to eighteen inches apart; or they may be sown early in the season in a hot-bed, or flower-pot, and transplanted.

Large Squash or Tomato Shaped. Pods short, thick, and ribbed at the point. They are very productive, fleshy and mild, and excellent for pickling. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c.



Large Bell or Bull Nose.

Large Bell or Bull Nose. Early, glossy, red, very large and mild. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c.

Red Cayenne. The variety sold in the market; small and pungent. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c.

Chili. Small; used in pickles and pepper sauce. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c.

Golden Dawn. Of same shape and size as the Large Bell, but of more delicate flavor. Color, yellow. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c.

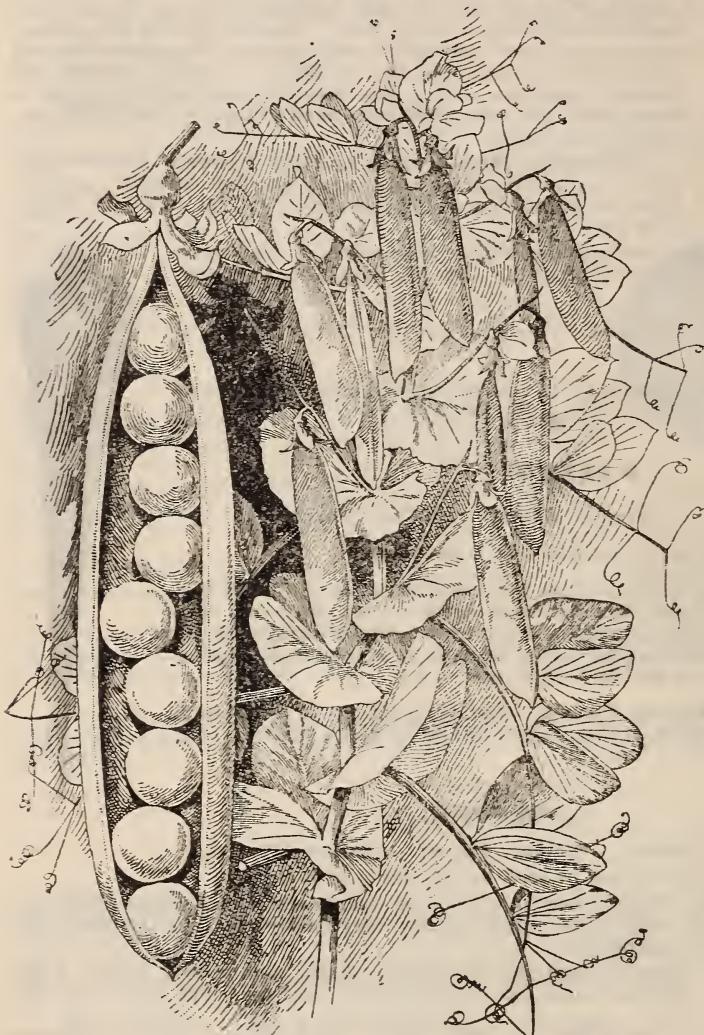
Red Cherry. The pods are small, round, glossy scarlet and very handsome when ripe. Excellent for mixing with pickles. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c.

PEAS.

German, *Erbse.* French, *Pois.* Italian, *Pisello.*

It ordered sent by express or freight deduct 9c. from the single pound price.

Three quarts of seed to 100 yards of row.



Nott's Excelsior.

have a dry soil, or they are liable to rot in the ground; they are, however, the sweetest and best flavored varieties. The dwarf varieties are best suited, from their dwarf habit, for small gardens, or for forcing, and can be planted in rows one foot apart.

EARLY VARIETIES.

***Nott's Excelsior.** A splendid new variety. Perhaps the most valuable of all the dwarf early wrinkled peas. Unsurpassed in earliness, yield and quality. Usually ready for the table forty to forty-five days after planting. It grows about half as tall again as the American Wonder and is much more productive; of vigorous growth. Pkt. 10c; 1 lb. 25c; 25 lbs. \$2.50, 50 lbs. \$4.50.

—Varieties marked (*) are wrinkled.

Peas mature earliest in a light, rich soil. For general crop, a rich, deep loam is the best. They thrive better if the ground has been manured for a previous crop; but if the ground is poor and requires manuring, take well decomposed manure. When grown for a market crop they are never staked, but are sown in single rows, one inch apart and two or three inches deep, the rows from two to four feet apart, according to variety, or to the richness of the soil. When grown in gardens they are sown in double rows, six to eight inches apart, the tall ones requiring brush, which is stuck in between the rows. Commence sowing the extra early varieties as early as the ground can be worked in February or March, continuing for a succession every two weeks until June, then discontinuing until the middle of August, when a good crop may be secured by sowing the extra early and early sorts for fall use. They should be kept clean with the cultivator or hoe, and earthed up twice during growth. The wrinkled varieties are not as hardy as the small, hard sorts, and if planted early should

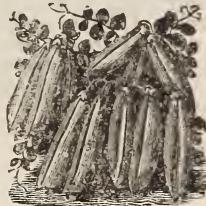
Alaska. Extra early, and very uniform in growth. The dark green color of the pods makes it extremely desirable, as it can be carried long distances without losing color, which quality, combined with its earliness and uniformity of ripening, makes it one of the most desirable extra early peas for market gardening; height, two feet. Pkt. 10c; 1 lb. 20c; 25 lbs. \$1.75; 50 lbs. \$3.25.

First and Best. Very early. One of the very best for market gardeners, as the whole crop ripens in a few days, so that the ground may be cleared and another crop planted. About forty-five days is the average from planting until the crop is ready for market. Pkt. 10c; 1 lb. 20c; 25 lbs. \$1.75; 50 lbs. \$3.25.

***American Wonder.** One of the earliest and most productive dwarf wrinkled peas in cultivation; requires no brush and is of most exquisite flavor. The vines grow eight or more inches high, according to the soil and season. Pkt. 10c; 1 lb. 20c; 25 lbs. \$2.25; 50 lbs. \$4.25.

***McLean's Little Gem.** A very early dwarf pea; green, wrinkled and very delicious. Pkt. 10c; 1 lb. 20c; 25 lbs. \$2.25; 50 lbs. \$3.75.

***Premium Gem.** One of the earliest dwarf green wrinkled varieties. Prolific and of excellent quality. Similar to the Little Gem. Pkt. 10c; 1 lb. 20c; 25 lbs. \$2.25; 50 lbs. \$3.75.



American Wonder.

SECOND EARLY VARIETIES.

***McLean's Advancer.** Comes in next after the Gems. Used extensively by canners. Height, two and a half feet. Pkt. 10c; 1 lb. 20c; 25 lbs. \$1.85; 50 lbs. \$3.25.

***Veitch's Perfection.** Large, wrinkled, popular and very productive; need no sticks. Best variety for general crop in family garden. Pkt. 10c; 1 lb. 20c; 25 lbs. \$1.75; 50 lbs. \$3.25.

***Bliss's Everbearing.** This pea is a cross between the Little Gem and the Champion of England; height of vine, eighteen inches to two feet; pods three to four inches long, each producing from six to eight very large wrinkled peas, half an inch or over in diameter; unsurpassed in sweetness and flavor. The value of this variety is found in its long continued bearing. Pkt. 10c; 1 lb. 20c; 25 lbs. \$2.25; 50 lbs. \$3.75.

***Yorkshire Hero.** One of the largest, sweet, wrinkled kinds; vines strong and spreading, pods of good size and well filled, medium late, height two and a half feet. Pkt. 10c; 1 lb. 20c; 25 lbs. \$1.75; 50 lbs. \$3.25.

LATE VARIETIES.

***Telephone.** Peas large, wrinkled, very sweet; pods enormous and well filled; height, four feet. Pkt. 10c; 1 lb. 20c; 25 lbs. \$2.00; 50 lbs. \$3.75.

***Stratagem.** Select. Vines not large but of vigorous growth, producing a heavy crop; beautiful long pods, well filled with large peas of good quality; two feet high. Pkt. 10c; 1 lb. 20c; 25 lbs. \$2.25; 50 lbs. \$4.00.

***Champion of England.** A leading late, sweet wrinkled pea among the tall varieties. Vines large, luxuriant and very prolific. For family use it has no superior; five feet. Pkt. 10c; 1 lb. 20c; 25 lbs. \$1.75; 50 lbs. \$3.25.

Black-Eyed Marrowfat. A good Marrowfat pea; yields heavy; height, three feet. Pkt. 10c; 1 lb. 20c; 25 lbs. \$1.75; 50 lbs. \$2.75.

EDIBLE PODDED VARIETIES.

Dwarf Sugar Edible Podded—Gray Seeded. One of the best edible podded kinds. Early; peas large, tender and very sweet. Pkt. 10c; 1 lb. 25c; 25 lbs. \$2.75.

Melting Sugar. It grows to the height of five feet, bears a profusion of large, broad pods, which are generally found in pairs, and which are so brittle that they snap without any string. It should be used in much the same way as a Wax Bean. The pods, when cooked, are very sweet and tender. Pkt. 10c; 1 lb. 25c; 25 lbs. \$3.00.

FIELD VARIETIES.

Small White. Standard sort. 1 lb. 20c; 100 lbs. market price.

Blue Prussian. Blue Pea. 1 lb. 20c; 100 lbs. market price.

Swiss. Three-cornered white pea. Good for cooking. 1 lb. 20c; 25 lbs. \$1.25.

POTATO.

The soil best suited to the potato is that of a rich, sandy loam, but it seems to thrive in almost any soil or climate, not requiring heavily manured ground to insure a crop. In heavy soils, and if heavily manured, it is more liable to disease than in naturally good, light soil. Plant as early in the spring as the ground can be worked, and, if you wish a healthy, vigorous growth, and a crop free from rot, in hills or rows three feet apart and one foot apart in the rows. In warm, light soil, cover about four inches, and in cold, wet ground, three inches deep. Cultivate to keep down the weeds and draw the earth to the plants as they advance in growth.



Brigg's Extra Early—Originated in Oregon. Very early. A seedling from Early Rose. Large, smooth, fine quality; flesh white. Yields an immense stock. The Brigg's Extra Early has been thoroughly tested for several seasons, and is undoubtedly a better potato for Oregon than most of the new varieties brought here from the east. We have a number of strong testimonials in its favor, copies of which we would be pleased to send on application. Order early. By mail, 1 lb. 20c; 3 lbs. 30c; by express or freight, 1 bu. \$1.40.

Freeman. A potato of great merit. Eyes very small. A large cropper. By mail, 1 lb. 20c; 3 lbs. 40c; by express or freight, 1 bu. \$1.30.

Carman No. 1. A very fine second early variety. By mail, 1 lb. 20c; 3 lbs. 40c; by express or freight, 1 bu. \$1.25.

Early Sunrise. One of the earliest, and quite productive, producing fine potatoes in fifty-two days. Tubers oblong, large, solid, uniform and handsome; flesh white, fine grained, dry, cooking well; strong grower; keeps well and free from rot. By mail, 1 lb. 15c; 3 lbs. 40c; by freight, 1 bu. \$1.15.

Early Beauty of Hebron and Early Rose. Either, by mail, 1 lb. 15c; by freight per bu. \$1.00.

Rural New Yorker No. 2. A splendid medium early potato; eyes very few and shallow; skin and flesh pure white; splendid table variety and immense yielder. By mail, 1 lb. 20c; by freight, 1 bu. \$1.20.

Write for prices on larger quantities.

PUMPKIN.

German, *Kurbis.* French, *Potiron.* Italian, *Zucca.*

Ground should be rich. Leave only one or two vines in a hill. When the soil and climate are favorable, they are a profitable crop for feeding purposes.

Connecticut Field, or Large Yellow. A good pumpkin. Grown principally for feeding stock. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 35c.

Sweet, or Sugar. Round, not large, but very sweet; an excellent table variety. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.



Conn. Field.

Large Cheese. Large oval-shaped, mottled light green and yellow; flesh very thick, sweet and nutritious. More nearly related to the squash than the Large Yellow. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 55c.

Mammoth Tours. A productive French variety, which grows to an immense size. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 70c.

RADISH.

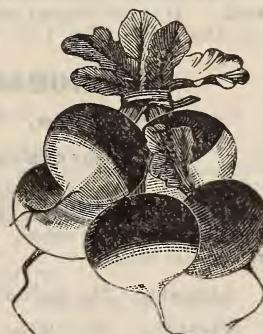
German, *Rettig.* French, *Radis.* Italian, *Ravanella.*

Six ounces of seed to 100 yards of row.

Radishes thrive the best in a light, rich, mellow soil. Heavy or clay soils not only delay their growth but produce a crop much inferior in appearance and flavor. Sow the early varieties, for very early use, in hot-beds during the winter and early spring, or later on in sheltered borders, as soon as the ground can be worked, in well-manured, deeply-dug and finely-raked soil. If not well stimulated into a rapid growth, they become fibrous and tough. Sow in drills ten inches apart and thin to two inches in the rows, and sow at intervals of two or three weeks until September for a succession. The winter varieties should be sown in July and August. Like the turnip, they make their best growth in the autumn, and remain crisp all winter. Before using, put in cold water, which adds to their freshness.

Scarlet Turnip White-Tipped. Similar in shape and size to the Scarlet Turnip-rooted, only that the underside of the bulb and tap-root are white. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Early Scarlet Turnip. A small, round, scarlet turnip-shaped, small-topped variety, of quick growth, mild and crisp when young. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.



Scarlet Turnip White-Tipped.



Improved Chartier.

Early White Turnip. Similar to Scarlet Turnip, except in color. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Early Scarlet Olive Shaped. An excellent variety of rapid growth; skin thin; flesh, rose-tinted and very tender. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 55c.

Half Long Deep Scarlet. A handsome variety resembling somewhat the Olive-shaped, but of a deeper scarlet; good for forcing. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Improved Chartier. Of rapid growth; soon ready for the table, remaining crisp and tender till fully grown. Color, scarlet above, shading into white at the tip. Flesh white and mild flavored. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Early Long Scarlet Short-Top. The standard family and market gardener's variety; long, bright scarlet, with small top. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Early Long, Brightest Scarlet. A long radish. Color, strikingly bright scarlet general appearance very attractive. Extra early; flesh very tender. Valuable for forcing or open ground. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.



French Breakfast.

French Breakfast. Oblong shaped, rapid growth, very mild and tender; of a beautiful scarlet tipped with white. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

White Stuttgart. Root large, often four inches in diameter, top shaped, skin white. Flesh white and crisp, and not becoming strong or pithy until very late, so that those not used as a summer radish can be stored for winter use. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

White Strasburg. A very desirable summer variety. Both flesh and skin pure white. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 65c.

Lady Finger, or White Vienna. Crisp and tender in summer. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 65c.

WINTER VARIETIES.

China Rose Winter. One of the best winter varieties. A general favorite. Flesh white, firm, and of a superior quality. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Round Black Spanish. A fine globe-shaped winter radish, very popular with the Germans, and known as *Rettig*; good quality and flavor. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Long Black Spanish. A large winter variety, one of the hardest, with dark-green leaves; firm in texture, keeping until spring. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

California Mammoth White. A winter variety, white fleshed, firm and of excellent quality. It is the largest radish grown. Called by some the Mammoth Russian. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

RHUBARB, OR PIE PLANT.

German, *Rhabarber*. French, *Rhubarbe*. Italian, *Rabarbaro*.

Four ounces of seed to 100 yards of row.

Cultivated in the garden for pies and sauce. No market gardener or family should be without it. May be propagated from seeds, but is usually grown from roots. The soil should be deep and rich—the richer the soil the better.

Linaeus. The earliest. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 45c; 1 lb. \$1.35.

Victoria. Very large; finest cooking variety. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 45c; 1 lb. \$1.35.

Giant. One of the most vigorous and productive varieties known. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 45c; 1 lb. \$1.35.

For Rhubarb Roots see Garden Roots.



Victoria.

SALSIFY, OR VEGETABLE OYSTER.

German, *Haferwurzel*. French, *Salsifis*. Italian, *Barba di becco*.

Cultivate the same as carrots and parsnips. It is hardy, can remain in the ground all winter for early spring use, but should be taken up before it starts to grow. Succeeds best in a light, well enriched mellow soil, dug two spades deep. Sow early in the spring in drills fifteen inches apart, in rows one inch deep. Thin out to six inches apart, keeping clear of weeds.

Long White. The favorite market variety. The tops can be used in the spring of the second year, dressed like asparagus, making an excellent dish. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.10.

Salsify. **Mammoth Sandwich Island.** A very fine variety, growing nearly twice the size of the old sort. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 45c; 1 lb. \$1.50.



SPINACH.German, *Spinat.*French, *Epinard.*Italian, *Spinaccio.*

Four ounces of seed to 100 yards of row.

This is an important gardener's crop, of easy culture. For spring and summer use, sow either broadcast or in drills one foot apart and one inch deep, as early as the ground can be worked, and every two weeks for a succession. As it grows, thin out for use, keeping it clear from weeds. For winter and early spring use sow in September, in well manured ground. Cover with straw on the approach of severe cold weather. The ground cannot be too rich; the stronger the ground, the more delicate and succulent will be the leaves.



Long Standing.

Savoy Leaved. A very early variety which goes to seed easily but is hardy and may be planted for early spring use. Pkt. 5c; 1 oz. 7c; $\frac{1}{4}$ lb. 15c; 1 lb. 35c.

Long Standing. An improved variety, slow in going to seed, and perhaps the best for general use. Pkt. 5c; 1 oz. 7c; $\frac{1}{4}$ lb. 15c; 1 lb. 30c.

Round Summer. The leaves of this variety are unusually thick, fleshy and tender. It is also hardy and may be sown as soon as the ground can be thoroughly prepared. Pkt. 5c; 1 oz. 7c; $\frac{1}{4}$ lb. 15c; 1 lb. 30c; 10 lbs, by express, \$1.50.

Prickly Seed, or Fall. The hardiest variety, having smaller leaves but not so productive as the Round Leaved. Pkt. 5c; 1 oz. 7c; $\frac{1}{4}$ lb. 15c; 1 lb. 30c.

Monstrous Viroflay. This variety produces the largest leaves of any, yielding an enormous crop. Excellent for the family or market garden. Pkt. 5c; 1 oz. 7c; $\frac{1}{4}$ lb. 15c; 1 lb. 30c.

SQUASH.German, *Kurbis.*French, *Courge.*Italian, *Zucca.*

Three ounces of seed to 100 yards of row.

A very tender plant, of rapid and luxuriant growth; will not stand any frosts or cold nights and should be planted in a warm, light, rich soil, after the weather has become settled and warm. Plant in well manured hills, in the same manner as cucumbers and melons, the bush varieties three or four feet apart each way, and the running varieties from six to eight feet apart.



White Scallop Bush.

Early White Scallop Bush. The earliest variety for market or shipping. It grows to a large size, scalloped like a patty-pan, and bearing an abundant crop. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Mammoth White Bush, Scalloped. An improvement on the preceding in point of size, being twelve to fifteen inches across; very productive and uniform in growth. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 65c.

Early Summer Crook-Neck. A very rich, well-known summer variety. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 60c.

Mammoth Summer Crook-Neck. Twice the size of the ordinary Summer Crook-Neck; also earlier and more warty; a decided advance on the old kind. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 65c.

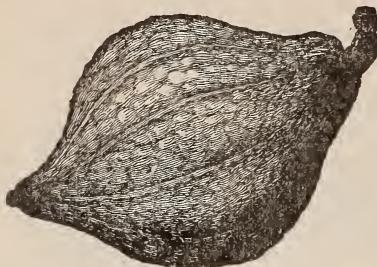
LATE VARIETIES.

Boston Marrow. A rich, tender variety for fall and winter use. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.



Early Summer Crook-Neck.

Use our Vegetable Fertilizer in your Vegetable Garden.



Hubbard Squash,

hundred pounds. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 65c.

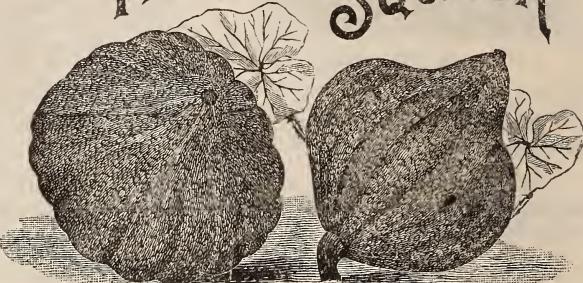
Essex Hybrid or American Turban. A good fall and winter variety. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Fordhook. One of the best winter squashes; fine quality. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

The Faxon. One of the newer good varieties. One of its distinctive features is that the ripe squashes vary in color, some of them being a pale yellow, while others are green, mottled, faintly striped. The flesh is a deep orange-yellow. Sweet and dry; a good winter variety. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

English Vegetable Marrow. White flesh, outside yellow; grows about nine inches long; ribbed. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

THE FAXON SQUASH



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SUGAR-CANE.

Cultivate the same as corn. It is surprising that more attention is not paid to growing sugar-cane, as it affords one of the most prolific and profitable crops for stock feeding known.

Early Ambre. Early and rapid growth. Pkt. 5c; $\frac{1}{4}$ lb. 10c; 1 lb. 25c.

SUNFLOWER.

The sunflower is now in larger demand than ever before. Its uses are varied. The leaves are good for stock, the seed for poultry and the manufacture of oil, and the stalks and heads for fuel. It has also proved itself a powerful and valuable absorbent of miasma. It is hardy and easily grown. Cultivate the same as corn. The double varieties are cultivated as flowers. See Flower List.

Mammoth Russian. The largest and most productive variety. $\frac{1}{4}$ lb. 10c; 1 lb. 20c. By express or freight, purchaser paying charges, 1 lb. 10c; 100 lbs. \$5.00.

25 Cts.'

Worth of Seeds EXTRA will be allowed on each ONE DOLLAR sent for Seeds in PACKETS and OUNCES.

Thus any one sending us \$1.00 can select seeds in PACKETS and OUNCES to the value of \$1.25; for \$2.00 seeds in PACKETS and OUNCES to the value of \$2.50; for \$3.00, seeds in PACKETS and OUNCES to the value of \$3.75.

This premium does not apply where any other premium is taken.

OUR SEEDS ARE THE BEST AND OUR PRICES ARE LOW.

TOBACCO.

Sow very early in a bed prepared by working in an abundance of ashes with the soil, which should be well pulverized, rich and mellow. Scatter the seed thinly, cover lightly, and when the plants are three to six inches high transplant into rows four feet each way. Thorough cultivation is important.

Connecticut Seed Leaf. Hardy and best adapted to culture in Northern States. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.25.

Havana. Of fine texture and delicate flavor. Celebrated for the manufacture of fine cigars. Pkt. 5c; 1 oz. 35c; $\frac{1}{4}$ lb. \$1.00.

TOMATO.

German, *Liebsapfel*. French, *Tomate*. Italian *Pomo d'oro*.

One ounce of seed to 100 yards of row.

The value of the tomato as a table vegetable can hardly be over-estimated. For early crop, sow as soon as desired in hot-beds. When two inches high, transplant in the beds to four or five inches apart each way, to give the plants room and make them bushy, always keeping them well aired. If they crowd each other before time to transplant, root-prune by drawing a sharp knife deeply between the plants. When danger of frost is past, transplant to rich, loose soil, keeping well watered and cultivated. For later crop, they may be sown in cold frames or open ground, and transplanted when four to six inches high. If possible, support the vines. Thus treated, they will continue in bearing much longer, and the fruit be greatly improved.

Atlantic Prize, Extra Early. A distinctly early variety, of good size and smooth surface. Many of the objections to the usual early kinds, such as under size and deeply corrugated, rough skin, are overcome in the Atlantic Prize. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.

Early Michigan. A very smooth, perfectly shaped tomato, solid and without core. A strong grower and heavy cropper. Early. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Acme. One of the earliest; is of a strong and vigorous growth, very productive; fruit of a medium size. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Livingston's Perfection. One of the best medium early kinds; round, uniformly smooth; vines very productive; fruit deep scarlet, firm, and of excellent quality. Vines continue long in bearing. Sow this variety for main crop. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.75.

Livingston's Perfection. One of the best for general crop; vines vigorous, continuing in bearing all season; fruit very large, uniformly smooth, firm, without hard core; ripens medium early; holds its size well till frost; is very fleshy, with few seeds. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Livingston's Beauty. For shipping and early market it cannot be excelled on account of solidity and toughness of skin. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Trophy. Very large and smooth; late. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 65c; 1 lb. \$2.00.

Royal Red. Vines stronger and more vigorous than the Favorite; fruit larger, brighter, deeper red and fully as good in quality. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Ignotum. Many of the very large varieties of tomato have the objection of being coarse, without flavor, and having a hard core. The Ignotum is a very large kind without these features. The veins and leaves are large; very productive; fruit the largest, smooth and solid. Color deep crimson, very showy. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Optimus. A second early kind; uniform in size; color bright red; smooth and handsome. One of the very best for this climate. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 65c; 1 lb. \$2.00



Dwarf Champion. Quite distinct in foliage and habit of growth, being compact and upright, fruits early, and resembles the Acme in appearance. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c. 1 lb. \$2.00.

Golden Queen. Very handsome when prepared for the table, flesh, yellow, rich, and of superior quality. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Red Cherry. Fruit about an inch in diameter; grows in bunches; used for pickles. Pkt. 5c; 1 oz. 30c; $\frac{1}{4}$ lb. 85c; 1 lb. \$2.75.

Pear-Shaped. For pickles. Pkt. 5c; 1 oz. 30c; $\frac{1}{4}$ lb. 90c; 1 lb. \$2.75.

Husk Tomato or Ground Cherry. This is liked by many for preserves and for eating from the hand. Pkt. 5c; 1 oz. 30c; $\frac{1}{4}$ lb. 85c; 1 lb. \$2.75.

For Plants, see under Heading Vegetable Plants.

TURNIP.

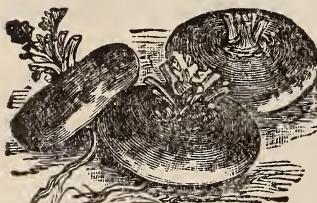
German, *Steck Ruben.* French, *Navet.*

Three ounces of seed to 100 yards of row.

The turnip delights in a light, rich, sandy loam which has been well manured. For early use, sow the early varieties as soon as the ground opens in the spring, in drills from twelve to fifteen inches apart. Thin out to from six to nine inches in the rows. Or, if sown broadcast, they will produce a fine crop, but not as large as if sown in drills. Keep the ground well stirred and clear of weeds. For a succession, continue to sow every two weeks until June, then discontinue until the middle of July. For a fall and winter crop, sow on potato ground, making your last sowing not later than the first of September.

WHITE FLESHED KINDS.

Extra Early Purple-Top Milan. The earliest variety of turnip. Top small, erect, strap-leaved; bulb very flat, a deep purple above, white underneath; flesh white, firm and delicate; an excellent keeper. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. 90c.



Early Red-Top Strap-Leaved.

Extra Early White Milan. As early as the above and a beautiful pure white. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00.

Early Red-Top Strap-Leaved. One of the best; flat and good size. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

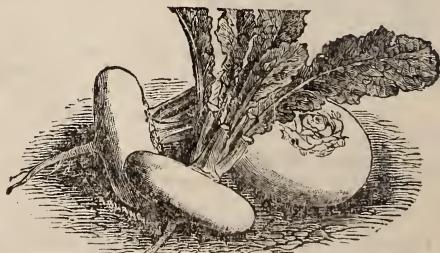
Early White Flat Dutch. A leading white-fleshed variety and one of the best, either for the family, market garden, or field crop. It is of medium size and produces a large crop. The flesh is firm but tender, and of a superior, rich, buttery flavor. A good keeper. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

White Egg. An entirely distinct variety. It belongs to the class of quick-growing fall-tur-nips. Of extra fine flavor and texture. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Purple Top White Globe. A large globe-shaped variety, purple above ground. It is handsome and of excellent quality. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

White Norfolk. A large-growing, round, flat-shaped variety; coarse-grained and sweet. One of the best early for feeding stock. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Pomeranian White Globe. This is one of the most productive kinds, and in good, rich soil roots will frequently grow to twelve pounds in weight. It is of perfect globe shape; skin white and smooth, leaves dark green and of strong growth. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20; 1 lb. 50c.



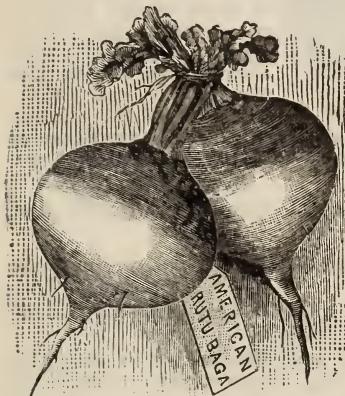
Early White Flat Dutch.

Seven Top. A variety cultivated for its large tops which are excellent for greens.
Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Cow Corn, or Long White. A distinct variety, having a long, slightly curved root, somewhat resembling a carrot. It is white, with a green tinge near the top, growing partly above the ground; flesh tender, sweet and of fine quality. Can be sown early for fall and winter use. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Sweet German. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

YELLOW FLESH VARIETIES.



American Ruta-Baga.

Yellow, or Amber Globe. This variety is handsome, and grows to a large size. Color, pale yellow. One of the best for general crop. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Golden Ball, or Orange Jelly. It forms a bulb, having a beautiful bright-yellow rind and cream-colored flesh; rich, pulpy, and excellent for culinary use as well as for stock. Its keeping qualities are unrivaled. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ 20c; 1 lb. 50c.

Yellow Aberdeen. Bulb globular, reddish purple above and deep yellow below; solid and hardy. Generally grown for farming purposes. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

RUTA-BAGA, OR SWEDES.

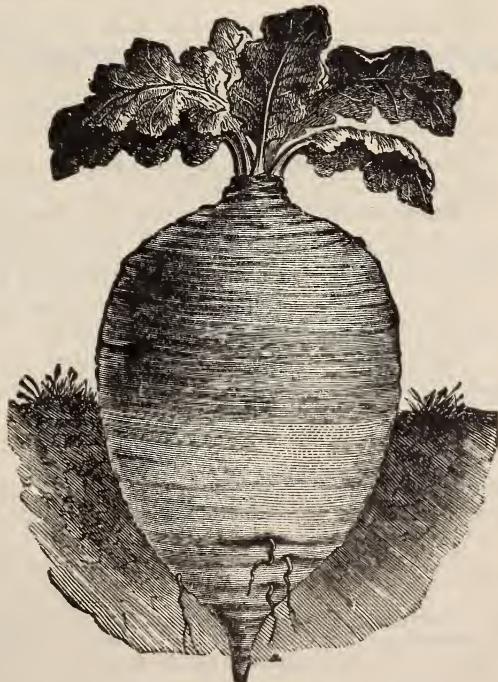
The ruta-baga, or Swedish varieties, are grown principally for feeding stock, and are also excellent for the table early in the spring. Sow in drills two feet apart, from the middle of June until the first of August.

Improved American Purple Top. This variety is largely grown, both for table use and stock feeding. Flesh solid, fine quality, keeps well. Pkt. 5c; 1 oz. 10c; 2 oz. 15c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c; 5 lbs. postpaid, \$2.00.

Skirving's Purple Top. This is a first-rate variety, hardy and productive; flesh yellow, of solid texture; grows to a large size; a very popular sort for market and field culture. Pkt. 5c; 1 oz. 10c; 2 oz. 15c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c; 5 lbs. postpaid, \$2.00.

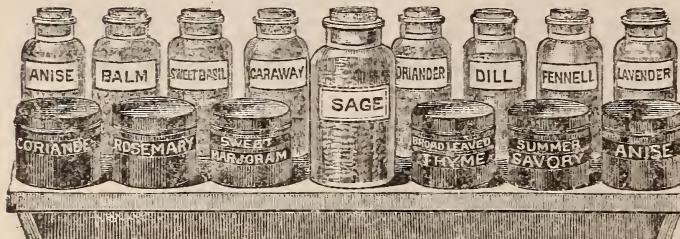
Monarch, or Tankard. Color, purplish-crimson above ground, yellow below. The flesh is of the best quality. The roots grow much above ground, making them easy to harvest. Produces an immense crop. Pkt. 5c; 1 oz. 10c; 2 oz. 15c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c; 5 lbs. postpaid, \$2.00.

White Russian. Large, white and solid. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c; 5 lbs., postpaid, \$2.00.



Monarch Ruta-Baga.

HERB SEEDS—POT, SWEET, AND MEDICINAL.



Care should be taken to harvest them properly. This should be done on a dry day, just before they come into full blossom; dry quickly in the shade, and pack closely in dry boxes or vessels so as to exclude the air entirely from the herb. We offer some of the most useful and popular.

Anise. *Pimpinella anisum.* For garnishing and seasoning. The seeds are also used medicinally. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. \$1.00.

***Balm.** *Melissa officinalis.* A fragrant, lemon-scented herb, used for making Balm-tea or Balm-wine. Pkt. 5c; 1 oz. 25c; $\frac{1}{4}$ lb. 80c.

Basil, Sweet. *Ocimum basilicum.* The leaves and top shoots are useful for seasoning soups, stews and sauces. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

Borage. *Borago officinalis.* Leaves used for flavoring, and flowers furnish bee pasture; most easily grown in any waste place. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

***Caraway.** *Carum carui.* Cultivated for the seed, which is used extensively in cakes and confectionery. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

***Catnip.** *Nepeta cataria.* A mild nervine, excellent for children. For winter use, remove the plant by the root, and dry as other herbs. Pkt. 5c; 1 oz. 50c; $\frac{1}{4}$ lb. \$1.50.

Coriander. *Coriandrum sativum.* The seed is used medicinally, in confectionery, etc. Leaves are used for garnishing. Harvest the seed when perfectly dry, and bruise the leaves and break the stems as little as possible. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Dill. *Anethum graveolens.* Hardy annual; seeds aromatic, warm and pungent; used medicinally and also for flavoring. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Fennel, Sweet. *Foeniculum officinale.* Leaves and seeds used for flavoring. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Horehound. *Marrubium vulgare.* Pkt. 5c; 1 oz. 30c; $\frac{1}{4}$ lb. \$1.00.

***Lavender.** *Lavendula vera.* Cultivated for the fragrance of its flowers. Gather when in full bloom and dry quickly. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c.

Marjoram, Sweet. *Origanum marjorana.* A perennial in warm climates. The young shoots and leaves are used for flavoring. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c.

***Rosemary.** *Rosmarinus officinalis.* The leaves have a pungent odor and warm aromatic, bitter taste. The dry leaves lose their strength rapidly. Pkt. 5c; 1 oz. 30c; $\frac{1}{4}$ lb. \$1.00.

***Rue.** *Ruta graveolens.* Used medicinally. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c.

Sage, Broad-Leaved. *Salvia officinalis.* Used as a condiment for relishes and for flavoring. A hardy perennial; should have rich soil and thorough cultivation. Cut the young shoots just before blooming, dry quickly in the shade, and store carefully. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c.

Savory, Summer. *Satureja hortensis.* Cultivated for the young shoots, which are dried and used for flavoring. It is a hardy annual. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c.

***Thyme.** *Thymus vulgaris.* A warm, pungent and very aromatic plant, much used for flavoring soups, dressings, etc. It is also a nervine. It can be used either fresh or dried. Plant as early as the ground can be prepared. Pkt. 5c; 1 oz. 40c; $\frac{1}{4}$ lb. \$1.00.

Wormwood. *Artemesia absinthium.* Used for medicinal purposes; it is also beneficial to poultry, and should be planted in poultry grounds. Pkt. 5c; 1 oz. 30c; $\frac{1}{4}$ lb. \$1.00.

Herbs in general delight in rich, mellow soil. Those marked with a (*) are perennial and when once obtained in the garden may be preserved for years with a little attention. Sow the seeds early in the spring in shallow drills one foot apart; when up a few inches thin out to proper distances, or transplant.

VEGETABLE PLANTS.

	CABBAGE PLANTS.	PER DOZ.	50	100	1000
		Postpaid	By Express		
Early Jersey Wakefield, best early		20c	50c	.50	\$3.50
Early Winningstadt		20c	50c	.50	3.50
Premium Late Flat Dutch		15c	35c	.40	2.50
Premium Late Drumhead		15c	35c	.40	2.50

CAULIFLOWER PLANTS.

Early varieties	25c	70c	1.00	7.00
Late varieties	20c	45c	.75	5.00

TOMATO PLANTS.

Optimus, the best for canning	25c	60c	.85	5.50
Atlantic Prize, earliest tomato grown	25c	60c	.85	5.50
Perfection, for main crop	25c	60c	.85	5.50
Acme, best purple variety	25c	60c	.85	5.50

CELERY PLANTS.

Golden Self-Blanching	20c	45c	.65	4.50
White Plume	20c	45c	.65	4.50
Giant Pascal, best late	20c	55c	.65	4.50

SWEET POTATO PLANTS	30c	50c	.85	5.00
PEPPER	25c	60c	1.00	
KALE	20c	60c	.90	6.00

No plants sent C. O. D.

Write for quotations if larger quantities are wanted.

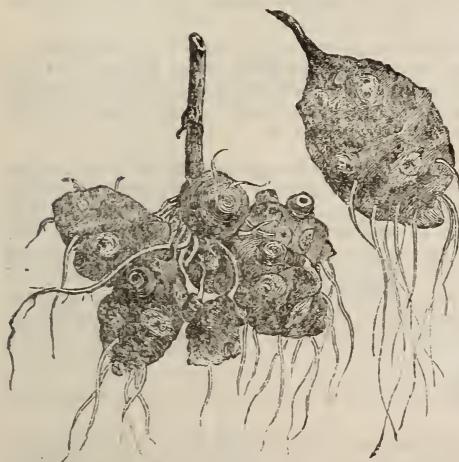
CARDEN ROOTS AND TUBERS.

Transportation charges to be paid by purchaser except as noted.

Artichoke, Red Jerusalem. The tubers grow similar to potatoes. They furnish one of the best foods for stock ever put on the market, being very nutritious and healthful. Sow from one hundred and fifty to two hundred pounds per acre. They yield an immense crop. 1 lb. postpaid, 20c; 50 lbs. \$1.00. Write for special prices on large quantities.

Artichoke, White. Flesh white and sweet. This variety produces larger tubers than the red, and a larger crop, and is now taking the lead. 1 lb., postpaid, 20c; 50 lbs. \$1.00. Write for prices on large quantities.

Asparagus, CONOVER'S COLOSSAL, PLAMMETTO, AND COLUMBIAN MAMMOTH WHITE, either variety, 1 doz., postpaid, 35c; 100, \$1.00, 1000, \$6.00.



Artichokes.

Hop Vines. 1 doz., postpaid, 25c; 100, \$1.00.

Horse Redish. 1 doz. postpaid, 25c; 100, 75c.

Rhubarb. 1-year, 1 doz., 50c; by mail, 65c.

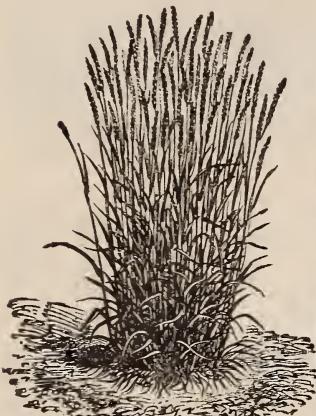
Rhubarb. 2-year, 1 doz., 75c; by mail, \$1.10.

Write for quotations if larger quantities are wanted.

GRASS AND CLOVER SEEDS.

This is an important department of our business, and we shall endeavor to keep the best seeds to be found in the market. Prices subject to variation to correspond with the market; quotations will be given on application.

Add 9c per pound for postage when ordering by mail.

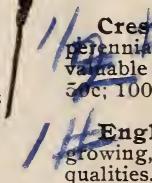


Crested Dog's Tail.



Brome Grass. *Bromus Inermis.* A valuable forage plant for light, dry soils; answers for cutting and feeding in green state, for pasture or hay; very productive. Sow about thirty-five to forty pounds to the acre. Has done very well in Eastern Oregon and Eastern Washington. 1 lb. 25c; 100 lbs. market price.

Creeping Bent Grass. *Agrostis stolonifera.* Valuable to mix with other pasture grasses, and it will thrive in moderately moist soil. Best for small grass-plats or croquet grounds. For pasture, sow 18 to 36 pounds per acre; for lawns 36 to 48 lbs. 1 lb. 40c; 100 lbs. market price.



Crested Dog's Tail. *Cynosurus cristatus.* A perennial grass with short, narrow leaves, particularly valuable for lawns or pasture on dry, light land. 1 lb. 25c; 100 lbs. market price.



English Rye Grass. *Lolium perenne.* A strong-growing, hardy, perennial grass, noted for its nutritive qualities. It is equally valuable, both for grazing and hay, and will succeed on any good, tillable land, if well prepared.

Also makes a fine lawn and for large grounds and parks is very successful. Does not require the close care that Blue Grass does and will flourish better under trees or in shady locations. For field crop, sow forty to fifty pounds to the acre; for lawns, not less than one hundred pounds. 1 lb. 10c; 100 lbs. market price.

1/2 #

Floating Fescue. *Festuca fluitans.* A perennial with long creeping roots and preferring a rich muddy or alluvial soil. Found in ditches, along rivers, in marshy places, etc. Trout and wild ducks are very fond of the seeds and tender shoots. 1 lb. 40c; 100 lbs. market price.

Italian Rye Grass. *Lolium Italicum.* A perennial variety. One of its chief points of merit is its rapidity of growth. Where the seasons are short, either from limited rains or long severe winters, this variety is found valuable. Though a distinct variety, its qualities are similar to the English Perennial and will succeed on the same soils. From forty to fifty pounds to the acre should be sown. 1 lb. 10c; 100 lbs. market price.

Kentucky Blue Grass. *Poa pratensis.* One of the best grasses for permanent pasture, furnishing a constant supply of the most nutritious feed during a greater part of the year. It is perennial and, in warm localities where the ground is kept moist and it is pastured or frequently cut to prevent the seed from ripening, will continue to grow luxuriantly the entire year. It is also the best grass known for lawns and parks and, where treated with a dressing of fertilizer every fall, watered well and evenly, and cut frequently, will furnish a handsome, velvety lawn for years, requiring no resowing. For pasture, sow forty to fifty pounds to the acre, but to secure a fine lawn much heavier seeding is required, and not less than ninety pounds should be sown. Fancy clean, 1 lb. 20c; 100 lbs. market price. Extra Clean, 1 lb. 15c; 100 lbs. market price.

Lawn Grass, Choice. A good, strong-growing grass for lawns, that will give satisfaction. 1 lb. 15c; 100 lbs. \$13.00.

Lawn Grass, Fancy. Is composed of the finest and best mixture of neat, compactly growing varieties, producing a fine sward. Sow 100 lbs. to the acre. 1 lb. 20c; 100 lbs. \$16.00.

Meadow Fescue, or English Blue Grass. *Festuca pra'ensis.* A perennial variety growing three to four feet high. It roots deep, thus resisting drought better than most grasses. It succeeds on any ordinary soil; yields a heavy crop of superior hay; one of the best kinds for pasture, as it comes early and remains green until late. Valuable to mix with other kinds. Use thirty pounds per acre when sown alone. 1 lb. 15c; 100 lbs. market price.

Meadow Fox Tail Grass. *Alopecurus pratensis.* One of the very best for permanent pasture. Does well on soil intermediate in moisture and dryness. Stands intense summer heat without burning. Sow 25 lbs. to the acre. 1 lb. 35c; 100 lbs. market price.

1/2 #

Mesquite. *Holcus lanatus.* It is usually sown on virgin soil, without cultivation, after the timber is removed and the ground burned over. It will grow on any loose soil. The seed is light and chaffy, and care must be taken in sowing, the best time being just before rain. Use about thirty-five to forty pounds per acre. 1 lb. 10c; 100 lbs. market price.

Millet, Common. A variety growing from three to four feet high, having rather broad blades and strong stalks. It supplies a valuable hay crop and affords excellent pasture. It should have rich mellow soil, well prepared. For a seed crop sow fifteen pounds per acre; for hay and pasture use thirty pounds. 1 lb. 7c; 100 lbs. market price.

Millet, German or Golden. *Panicum Germanicum* var. An improved variety, yielding a larger crop of seed than the Common Millet. It is also taller than the Common and yields a heavier crop of hay. It will grow on any good agricultural land and yields heavily when artificial water, if required, can be applied at the proper time. It yields from forty to sixty bushels of seed per acre. For a crop of seed, sow twelve to fifteen pounds per acre; for hay, twenty-five to thirty pounds. 1 lb. 10c; 100 lbs. market price.

Hungarian Grass. *Panicum Germanicum*. A dwarf annual Millet. It is finer than the Common and German Millets, but produces a closer stand and yields almost as much per acre as the taller varieties. The hay being finer is preferred by stock. It will yield well on any light, loose soil. Sow 25 to 30 lbs. per acre. 1 lb. 10c; 100 lbs. market price.

Pearl or Egyptian Millet. Produces an enormous amount of green feed. It can be cut repeatedly, growing very rapidly after cutting, and is equal to sweet corn for feed. Sow in drills two or three feet apart. Four pounds will sow an acre. 1 lb. 30c; 100 lbs. market price.

Orchard Grass. *Dactylis glomerata*. One of the most valuable of all the cultivated grasses, blooming with Red Clover and making with it admirable hay. As a pasture grass, it is more productive than any other, and does best under close feeding. It stands drought better than most other grasses, keeping green and growing when others are dried up. Sow twenty-five pounds to the acre. 1 lb. 20c; 100 lbs. market price.

Red Top. *Agrostis vulgaris*. A good perennial grass. Generally sown on permanent pastures. It succeeds Clover and Timothy when they have died out. Does well on any soil but best on moist land. Sow twenty pounds to the acre. 1 lb. 10c; 100 lbs. market price.

Sweet Vernal. *Anthoxanthum odoratum*. One of the earliest grasses in spring and latest in autumn, and more fragrant than any other grass. Valuable to put in pasture mixtures and Lawn Grass on account of its earliness, and its delightful fragrance when in bloom. Sow about thirty pounds to the acre. TRUE PERENNIAL, 1 lb. 50c; ANNUAL, 1 lb. 20c.

Tall Meadow Oat Grass, or French Rye Grass. *Avena elatior*. A valuable grass for permanent pasture; early, luxuriant growth and abundant supply, which is relished by cattle early and late; also makes splendid hay. Sow twenty pounds to the acre. 1 lb. 25c; 100 lbs. market price.

Timothy. *Phleum pratense*. As a grass to cut for hay, this is unsurpassed. It does best on moist, loamy soils, and is not suited to light lands. 1 lb. 6c; 100 lbs. market price.

Water Meadow Grass. *Poa pratensis*. An excellent and useful pasture grass for very wet places. Sow 20 lbs. to the acre. 1 lb. 45c; 100 lbs. market price.

Red Clover. *Trifolium pratense*. This is the most widely cultivated of all the pasture plants. It loosens the soil and admits the air, drawing up and storing away near the surface the valuable principles scattered in the earth beneath. It is regarded as one of the best vegetable fertilizers, as well as a cattle food of the highest merit. Sow twelve pounds to the acre. 1 lb. 10c; 100 lbs. market price.



Orchard Grass.



Tall Meadow Oat Grass.

Mammoth Red Clover. *Trifolium pratense.* Similar to Red Clover, but coarser and taller, and considered of more value for reclaiming and enriching waste lands, as it sustains itself and succeeds sometimes where Red Clover fails. Sow from twelve to fifteen pounds per acre, in time to get the benefit of ample moisture. 1 lb. 12c; 100 lbs. market price.

White Dutch Clover. *Trifolium repens.* A small variety, having a white blossom. It is of a vining nature, spreading rapidly, and will soon cover bare spots if the stand be uneven. It does not attain sufficient height to be profitable for hay but is superior for pasture either for cattle or sheep and unsurpassed for the production of honey. It also makes a beautiful lawn, mixed with Blue Grass. When sown alone, use eight or ten pounds per acre. Harrow the soil until it is very fine before sowing. 1 lb. 20c; 100 lbs. market price.

Alsike, or Swedish Clover. *Trifolium hybridum.* Probably a hybrid between the red and white possessing qualities common to both. Productive, sweet, permanent, extremely valuable both for pasture and soiling. On low ground it does better than Red Clover. The flowers are a distinct light pink and afford fine pasture for bees. Sow ten pounds per acre. 1 lb. 13c; 100 lbs market price.

Crimson Trefoil, or Scarlet Clover. *Trifolium incarnatum.* Grows about one foot high; dark roots, long leaves, and blossoms of deep red. It makes good hay and will give two or three cuttings each season. One of the very best clovers for soiling. Fruit growers are now sowing it quite extensively in their orchards. 1 lb. 10c; 100 lbs. market price.

Alfalfa, or Lucerne Clover. *Medicago sativa.* One of the most valuable of the clovers. It resists the driest weather, and, when every blade of grass droops for want of moisture, it holds up fresh and green. It is the best variety to use on lands that have to be irrigated. Sow fifteen pounds to the acre. 1 lb. 10c; 100 lbs. market price.

Write for prices on Grass and Clover Seeds.

FARM SEEDS.

The prices are subject to the market fluctuations. Quotations on large quantities given on application.

Add 9 cents per pound if wanted sent by mail.

Red Kaffir Corn. Non-saccharine. The plant is low, stocky, perfectly erect. The whole stalk, as well as the blades, cures into excellent fodder and in all stages of its growth is available for green feed. 1 lb. 5c; 100 lbs. market price.

White Kaffir Corn. 1 lb. 10c; 100 lbs. market price.

Spurry. *Spergula Arvensis.* An annual forage plant; coming into popular favor, on account of its fine forage qualities and thrifty growth on light, sandy, and other poor lands. When germinated, it soon takes good hold of the soil. Sown in March, it is ready for pasture in four or five weeks. Sow fifteen pounds to the acre. 1 lb. 20c; 10 lbs. \$1.40; 100 lbs. \$10.00.

Sacaline. *Polygonum sachalinense.* A hardy perennial. Its merits as a forage plant have only lately been pointed out. It grows well on the poorest soils, is perfectly hardy, and endures the extremes of heat and cold. It grows well on the poorest soils, is perfectly hardy, and endures the extremes of heat and cold. It grows to a height of ten or twelve feet and can be cut two or three times in the season. The stems and leaves, which are very nutritious, are eaten by cattle and sheep. Pkt. 10c; 1 oz. 40c; $\frac{1}{4}$ lb. \$1.25; 1 lb. \$4.50.

Lathyrus Sylvesteris. Also called flat pea. A perennial forage plant, growing well on very poor, unimproved, sandy soil; can withstand pretty severe frosts, roots so deeply that it is not injured by severe drouth, yields superior forage for all farm stock, and has excellent qualities as a fertilizer. Pkt. 5c; 1 oz. 30c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3 00.

Fenugreek. An annual plant and very fragrant. The seed is often sought by hostlers to give a temporary fire and vigor to their horses. It is frequently given to oxen and pigs when fattening, causing them to drink and to digest their food. Considered to be good for soiling when green. Pkt. 5c; 1 oz. 10c; 1 lb. 35c.

Barley. For seed. 1 lb. 3c; 100 lbs. market price.

Buckwheat, Common. Buckwheat should be sown about the middle of June, broadcast, at the rate of from thirty to forty-five pounds to the acre. It should be threshed as soon as dry. If allowed to stand in mass, it quickly gathers moisture. 1 lb. 5c; 100 lbs. \$2.75.



Scarlet
Clover.

Buckwheat, Silver Hull. This improved variety is much better than the old sort. It is in bloom longer, matures sooner, and yields heavier per acre. The husk is thinner, the corners less prominent, and the grain of a beautiful light gray color. The flour is said to be better and more nutritious. Buckwheat makes splendid bee pasture. 1 lb. 5c; 100 lbs. \$3.00.

Buckwheat, Japanese. This variety excels all others. Will yield much heavier than any other, and it ripens one week to ten days earlier, stands up better, and makes better flour than any other kind of buckwheat. 1 lb. 5c; 100 lbs. \$3.50.

Field Peas. 1 lb. 5c; 100 lbs. \$2.50.

Flax Seed. Prime, clean seed for sowing. 1 lb. 10c; 100 lbs. \$4.00.

Rape. Dwarf Essex. For sowing. Good for sheep pasture. May be sown in May or even after taking off a crop of potatoes. Under moderately favorable circumstances will furnish a large amount of pasture or fodder. In drills, sow five pounds to the acre; broadcast, 10 lbs. to the acre. 1 lb. 15c; 100 lbs. market price.

Spring Vetches, or Tares. *Vicia sativa*. A species of the pea; grown extensively for stock feeding. It is coming to be recognized as one of the best forage plants for Oregon and Washington. Culture same as field peas. Sow one bushel per acre with wheat or oats. 1 lb. 7c; 100 lbs. \$4.00.

Winter Vetches. *Vicia villosa*. Perfectly hardy and very nutritious. Thrives on poor, arid, sandy soils. Can be cut twice for fodder and again for seed. Sown either in fall or spring, generally with rye for a support. Grows three to four feet high. Sow at the rate of 1½ bushels to the acre. 1 lb. 15c; 100 lbs. \$10.00.

Cheat Seed. Now being used quite extensively for hay. 1 lb. 5c; 100 lbs. market price.

BIRD SEEDS, ETC.

Add 9 cents per pound for postage, when ordered by mail.

Canary Seed, Hemp Seed, Rape Seed, Sunflower Seed, Mixed Bird Seed, Mixed Seed for Parrots, each 10c per lb., or 3 lbs. for 25c. Lettuce Seed, 1 oz. 5c; 1 lb. 40c. Mocking Bird Food, per bottle 50c. Bird Manna, per cup, 20c postpaid. Bird Gravel, package, 10c; in bulk 5c. per lb. Moulted Pepper, box 55c postpaid. Cuttlefish bone, 5c each.

Prices given on larger quantities, on application.

TREE SEEDS.

Purchaser to pay transportation charges on all quantities above one pound.

Apple Seed. American. For nursery stocks. 1 oz. 10c; ¼ lb. 15c; 1 lb. 40c.

Apple Seed. French Crab. 1 oz. 10c; ¼ lb. 20c; 1 lb. 50c.

Cherry Pits, Mazzard. *Cerasus*. For nursery stocks. 1 oz. 10c; ¼ lb. 15c; 1 lb. 40c.

Cherry Pits, Mahaleb. 1 oz. 10c; ¼ lb. 20c; 1 lb. 50c.

Peach Pits. For nursery stocks. 1 lb. 20c; 100 lbs. \$1.50.

Pear Seed. *Pyrus Communis*. The best imported. For nursery stocks. 1 oz. 15c; ¼ lb. 45c; 1 lb. \$1.50.

Pear Seed, Native. 1 oz. 20c; ¼ lb. 50c; 1 lb. \$1.75.

Plum Pits. *Prunis myrabolano*. For nursery stocks. 1 oz. 10c; ¼ lb. 20c; 1 lb. 50c.

Quince Seed. 1 oz. 20c; 2 oz. 30c; ¼ lb. 50c; 1 lb. \$1.65.

Box Elder, or Ash Leaf Maple. *Acer negundo*. 1 oz. 10c; 2 oz. 15c; ¼ lb. 20c; 1 lb. 60c.

Horse Chestnut, or Buckeye. 1 lb. 35c.

Locust, Yellow or Black. A tree of rapid growth. Sown in our Western states for timber. 1 oz. 10c; ¼ lb. 20c; 1 lb. 50c.

Locust, Honey. 1 oz. 10c; 2 oz. 15c; ¼ lb. 20c; 1 lb. 60c.

Write for prices on large quantities.

FLOWER SEEDS.

Flowers are divided into three classes—Annual, Biennial and Perennial. The annuals are those flowers that bud, blossom and ripen their seed the first season and then die. The annuals are valuable to both the amateur and professional gardener. To them we are mainly indebted for our brightest and best flowers in the late summer and autumn months. There is no forgotten spot in the garden but can be made brilliant with these favorites, for there is no situation or soil in which some of the annuals will not flourish. Biennials and Perennials are those flowers that live on for two years or more, and, with but few exceptions, do not blossom the first season. The seed should be sown in early spring with the annuals. Great care should be taken in preparing the soil for the sowing of flower seeds. Besides being enriched with well-rotted manure, the ground should be thoroughly pulverized and the seeds but lightly covered, for but few flower seeds have sufficient strength to push their way up through clods of dirt or a very heavy stiffness of soil.

We present below a list of the leading varieties. If you want any kind that we do not quote, write for it, as we shall be quite likely to have it in stock.

Acacia. Tender shrubs, with fern-like foliage and fine racemes of fragrant flowers.

MIXED. Pkt. 10c.

Ageratum. Fine for bouquets, and useful for beds, borders and pot-plants. The flowers are graceful tufts of fine petals that remain fresh a long time after being cut. Blooms all summer, and if protected or potted and taken in doors, will bloom all winter. Thrives well during long, dry summers. Half-hardy annual. MEXICANUM. Blue. Pkt. 5c.

Agrostemma. Striking and beautiful for beds, ribbons and borders. Their graceful pink-like flowers remain fresh, after being cut, a long time, and are very handsome in bouquets. Thrives in any good soil. CORONARIA (Rose Campion). MIXED. Perennial. Pkt. 5c.



Agrostemma.



Agrostis. Ornamental Grass. A hardy, annual, ornamental grass; delicate and graceful; very beautiful and effective, with everlasting flowers. For winter bouquets. NEBULOSA. Pkt. 10c.

Alyssum. The Alyssums are well known hardy annuals of easy cultivation, effective in beds, and especially fine for borders and edgings. The White Sweet Alyssum possesses a delicate, agreeable fragrance, and is very popular for bouquets. If taken in or protected they will blossom all winter. WHITE SWEET. Pkt. 5c.

SAXATILE. Golden Alyssum. Pkt. 5c.

Amaranthus. Graceful, easily grown, ornamental foliage plants for the flower garden or conservatory. The colors are brighter if not planted in too rich soil. Half-hardy annual. MELANCHOLICUS RUBER. Dwarf habit; deep red foliage. Pkt. 5c.

CAUDATUS. Loves lies bleeding. Graceful drooping flowers. Pkt. 5c.

Sweet Alyssum.

CRUENTUS. Prince's feather. Handsome, erect flowers. Pkt. 5c.

TRI-COLOR. Joseph's Coat. Beautifully variegated; foliage scarlet, yellow and green. Pkt. 5c.

Aster. Very beautiful and popular half-hardy annuals, growing from ten to eighteen inches high. For profusion of flowers and richness of display, the Aster's are unrivaled. Sow the seed early in the spring, under glass or in pots in the house, and transplant into rich soil about one foot apart.

COCARDEAU, OR CROWN. The flowers of this variety have large, white centers, bordered with scarlet, carmine, violet or blue; attractive and beautiful; one and one-half foot. Pkt. 10c.

COMET. As now developed, this magnificent new tribe of Asters comes quite true in character. The plants, twelve to fifteen inches high, form regular pyramids completely covered with superb, large, double flowers of great beauty and resemble the finest Chinese Chrysanthemums. Snow White, Dark Red, Mixed, each, pkt. 10c.

TRUFFAUT'S PAEONY FLOWERED. The earliest flowering variety; very double, fine; Snow White, Crimson, Apple Blossom, Dark Blood Red, Light Blue, Mixed; each, per pkt. 10c.

CHRYSANTHEMUM FLOWERED. Large double flowers resembling Chrysanthemums. Valuable on account of profuse late flowering. Rose, Mixed; each, pkt. 10c.

GERMAN QUILLED. Double, quilled flowers of beautifully mixed colors: two feet. Pkt. 5c.

VICTORIA. Very large; perfectly double form; one and three-fourths feet. Mixed, White, Light Blue, Scarlet; each, pkt. 10c.

IMBRICATED POMPON. White, 10c. **CHOICE MIXED.** Pkt. 10c.



Paeony Flowered
Aster.

Bachelor's Button. *Centaurea cyanus*—Corn Flower, or Corn

Bottle. A hardy annual of easy cultivation. Has recently been greatly improved, and now produces handsome flowers of a great variety of rich colors. Borne on tall, branching stems, with but little foliage. Striking and handsome. **CHOICE MIXED.** Pkt. 5c.

Balloon Vine. *Cardiospermum*. Love-in-a-puff. A climbing annual, having rather inferior flowers which, however, are followed by curious puffs or balls that are quite handsome, from which it takes its name. The plant is graceful and attractive and used for either greenhouse or outdoor decoration. Pkt. 10c.

Balsam. Ladies' Slipper, Touch-Me-Not. Exceedingly handsome and attractive plants, producing masses of various colored flowers. The soil should be very rich and free. The plants can be pinched back so as to form bushes of any desired shape. Tender annual. Easily grown. **TALL DOUBLE WHITE.** Extra choice. Pkt. 10c.

CAMELLIA-FLOWERED DOUBLE. Pkt. 10c.

DWARF DOUBLE. Mixed. Pkt. 10c.

TALL DOUBLE. Mixed. Pkt. 5c.

Brachycome. Swan River Daisy. A handsome, dwarf-growing, free-flowering annual from Australia. The blossoms resemble Cinerarias. **CHOICE MIXED.** Blue and White. Pkt. 10c.

Briza. Handsome ornamental grass. Bears graceful pods on slender stems, which quiver with the slightest motion. Fine for winter bouquets. Hardy annual. **MAXIMA.** Large. Pkt. 5c.

Calceolaria. A very handsome and much admired perennial, desirable either for the greenhouse or outdoor culture, producing a profusion of beautifully spotted and tigered flowers of unique form. They flower best in a rich, sandy loam, and can be propagated either from the seed or cuttings. Tigered and spotted; brilliant. **HYBRIDA MIXED.** Pkt. 25c.

HYBRIDA RUGOSA. Handsome, shrubby, profuse bloomer, most desirable for out door culture. Pkt. 25c.

Calliopsis, or Coreopsis. Also known as Black-Eyed Susan. A hardy annual. Very showy and attractive. It is branching, and is covered with a mass of bright flowers of all shades of yellow, orange and gold, with a dark velvety center. Sow where they are to remain and cut the flowers when in full bloom. **CHOICE MIXED.** Pkt. 5c.



Canary Bird Flower. *Tropaeolum canariense*. One of the best climbing plants, with graceful foliage of a delicate shade of green, and small yellow blossom, which when half expanded, has a fancied resemblance to a canary bird. Half-hardy annual. Yellow. Pkt. 10c.

Candytuft. *Iberis*. Well-known, hardy plants, thriving almost anywhere, and producing a profusion of bright, cheerful flowers. Very useful for cut flowers, borders, ribbons or for conservatory decoration. Hardy annuals. **CARMINE.** Pkt. 5c.

ALBA. White. Pkt. 5c.

ODORATA. Sweet scented. Pkt. 5c.

MIXED. All colors. Pkt. 5c.

SEMPERVIRENS. Perennial. White. Pkt. 5c.

Canna. Indian Shot. Majestic appearing plants, bearing broad, massive leaves, and crimson, scarlet, and yellow flowers. Perennial, but bloom the first season, if sown early. The roots should be taken up before frost and placed in a cool, moderately dry place, until planting time. The seed should be soaked several hours in warm water before planting. **CROZY.** Mixed. Best varieties. Pkt. 10c.

Canterbury Bell. *Campauula medium*. Very ornamental garden plants. Their large, bell-shaped flowers are borne on tall, graceful stalks and are produced freely throughout the summer. Hardy biennials. Very showy and attractive. **DOUBLE.** Mixed. Pkt. 10c.

SINGLE. Mixed. Pkt. 5c.

Carnation. *Dianthus caryophyllus*. A well-known, half-hardy perennial. Most varieties have flowers of delicious fragrance, which are large and beautiful. Grows one-half foot high. **EXTRA CHOICE DOUBLE.** Mixed. Pkt. 20c.

COMMON DOUBLE MIXED. Pkt. 5c.

MARGARET. If sown early early in the spring, will flower the first year. Very popular. Double and half dwarf Rose, White, Striped and Yellow, each 20c per pkt. Mixed, pkt. 10c.

Catchfly. *Silene*. A hardy annual, about one foot high; produces brilliant flowers in great profusion in early summer. **PENDULA.** Mixed. Pkt. 5c.

Castor Bean. *Ricinus*. Highly ornamental, half-hardy annuals, of stately growth and having large leaves of bronze or glossy green. By planting singly or in groups, a striking effect is produced on lawns or pleasure grounds. **SANGUINEUS.** Brilliant scarlet. **Pkt. 10c.**

BABONIENSIS ARBOREUS. The largest variety. Tall and stately. Pkt. 10c.

MIXED. Best varieties. Pkt. 5c.

Celosia Plumosa. Graceful, free-blooming plants. They belong to the same family as the cockscomb, but produce their flowers in beautiful feathery plumes instead of combs. They can be grown in pots for the conservatory, or may be planted out after danger of frost is past. Half-hardy annuals. Mixed colors of great brilliancy. Pkt. 10c.



Centaurea. Also known as Dusty Miller. This genus embraces some of the finest silver foliage plants in cultivation and, when arranged side by side in figures or in borders with dark and other ornamental foliage plants, rival in beauty the finest flowers. Sow early under cover or later in open ground and transplant when two inches high. **CANDIDISSIMA.** Handsome silver foliage. Leaves deeply indented. Half-hardy perennial. Pkt. 25c.

GVMNOCARPA. Foliage silvery, tinged with gray; very fine. Perennial. Pkt. 15c.

Chrysanthemum. Annual. Handsome, hardy annuals, about two feet high, blooming from July to October. **MIXED DOUBLE.** Pkt. 5c.

FRUTESCENS. Marguerite or Paris Daisy. Pkt. 10c.

Cineraria. Well-known, free-flowering greenhouse plants. The flowers are very brilliant, and of great variety of colors. They can be planted when the weather becomes settled, and propagate readily by dividing the roots. Perennial. **HYBRID.** Extra selected. Single. Pkt. 25c.

MARITIMA. Although a perennial, usually grown as an annual. Extensively used for ribbon bedding; leaves silvery grey. Pkt. 25c.

Clarkia. A very beautiful hardy annual, about eighteen inches high, blooming from June to September. Set six inches apart. **MIXED.** Pkt. 5c.

Coboea Scandens. A useful climber of rapid growth; fine foliage and large, blue flowers. In sowing, place the seeds edgewise and cover lightly. Half-hardy perennial. Pkt. 10c.

Cockscomb. *Celosia cristata*. Very ornamental and interesting plants, producing crest-like flowers of great beauty, resembling a cock's comb. The tufts of some varieties grow to an enormous size, and their feathery, graceful appearance and brilliant colors render them very attractive. Half-hardy annuals, of easy cultivation. **MIXED.** Finest varieties. Pkt. 5c.

Columbine. *Aquilegia*. A hardy perennial, producing handsome flowers of many bright and attractive colors. The seed may be sown as soon as the ground can be prepared. Can also be increased by dividing the roots. Best double varieties. **MIXED.** Very fine. Pkt. 5c.



Canterbury Bell.



Cosmos.

Cypress Vine. *Ipomea quamoclit.* A climbing annual of rapid growth, having handsome fern-like foliage and a profusion of bright, attractive flowers. When furnished a suitable support they become very ornamental and showy. Plant the seed where they are to remain as soon as the ground becomes thoroughly warmed. **WHITE.** Pkt. 5c. **SCARLET.** Pkt. 5c. **MIXED.** All colors. Pkt. 5c.

Dahlia. The Dahlia is very easily raised from seed. Both the Single and Double Dahlias present a variety of color and perfection of form not exceeded by any other flower. If sown early in spring most of the plants will bloom the first season. The tubers should be taken up in the fall and kept in a dry, cool place over winter. **DOUBLE MIXED.** Pkt. 15c. **SINGLE MIXED.** Pkt. 10c.

Daisy. *Bellis perennis.* A well-known, half-hardy perennial, blooming early in spring. Very desirable for borders. Sow early under cover, if necessary, and transplant when well started, to a moist, shaded place. The roots can be divided. **DOUBLE MIXED.** Pkt. 15c.

Datura. Trumpet Flower. Half-hardy, perennial plants, producing large, sweet-scented, trumpet-shaped flowers. Succeeds in almost any soil. **FASTUOSA.** Double mixed. Pkt. 5c.



California Poppy.

Forget-Me-Not. *Myosotis.* Low-growing, popular, perennial plants, blooming the first season if sown in the fall or very early in spring. Fine for borders and edgings. A constant and profuse bloomer. Flowers mostly blue, with white or yellow center. **LIGHT BLUE,** handsome. Pkt. 10c.

MIXED. Choice, all shades. Pkt. 5c.

Four O'Clock. *Mirabilis.* Marvel of Peru. A well-known hardy annual, growing luxuriantly in any ordinary soil, and bearing a profusion of bright, handsome flowers of various colors, shades and markings; from scarlet through pink to white, and from salmon through orange, gold and straw to white. Each plant produces self-colored and variegated flowers. Some varieties are fragrant, and some have ornamental foliage. They are tall and branching, and should have plenty of room. **CHOICE MIXED.** Pkt. 5c.

Fox Glove. *Digitalis.* A tall-growing biennial, with large leaves and spikes of various colored and spotted flowers. Greatly improved of late, and are now really magnificent plants. **EXTRA MIXED.** Pkt. 5c.

Cosmos. Also known as Mexican Dahlia. A tall branching annual, of easy cultivation, having delicate needle-shaped foliage. The flowers which are produced in profusion are unusually bright and attractive, resembling Single Dahlias. Colors range through rose and purple to pure white. A most desirable plant for autumn blooming. One of the most popular varieties grown, and deservedly so. **HYBRID FINE MIXED.** Pkt. 10c.

ROSETTA. Mammoth pink. Pkt. 10c.

ERLINDA. Mammoth white. Pkt. 10c.

CONCHITA. Mammoth crimson. Pkt. 10c.

Cyclamen. Presents a neat and elegant appearance, with its curious shaped and various colored flowers and masses of green and variegated leaves. The seed produces a bulb that blooms the second season. **GIGANTEUM HYBRIDUM.** Pkt. 25c.

GIGANTEUM PERSICUM. Mixed. Pkt. 25c.

Cypress Vine. *Ipomea quamoclit.* A climbing annual of rapid growth, having handsome fern-like foliage and a profusion of bright, attractive flowers. When furnished a suitable support they become very ornamental and showy. Plant the seed where they are to remain as soon as the ground becomes thoroughly warmed. **WHITE.** Pkt. 5c. **SCARLET.** Pkt. 5c. **MIXED.** All colors. Pkt. 5c.

Dahlia. The Dahlia is very easily raised from seed. Both the Single and Double Dahlias present a variety of color and perfection of form not exceeded by any other flower. If sown early in spring most of the plants will bloom the first season. The tubers should be taken up in the fall and kept in a dry, cool place over winter. **DOUBLE MIXED.** Pkt. 15c. **SINGLE MIXED.** Pkt. 10c.

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Datura. Trumpet Flower. Half-hardy, perennial plants, producing large, sweet-scented, trumpet-shaped flowers. Succeeds in almost any soil. **FASTUOSA.** Double mixed. Pkt. 5c.

Eschscholtzia. California Poppy, Golden Cup. A showy, free-flowering genus of plants, bearing handsome, graceful foliage, and flowers of the richest colors. They bloom very early and should be planted as soon as the ground can be prepared, where they are to remain, as they will not bear transplanting. Hardy annual, thriving best in light, warm soil.

CALIFORNICA. Yellow, orange-center. Pkt. 5c. **MIXED.** Pkt. 5c.

MANDARIN. The petals are of an orange color inside and brilliant scarlet on the outside. Pkt. 5c.

Echinocystis Lobata. Wild Cucumber. A rapid-growing climber, very good for covering old fences or trellises. Pkt. 5c.

Feverfew. *Matricaria capensis.* A free-flowering, ornamental, hardy annual, desirable for bedding or pot culture. It produces beautiful white flowers, very double. Handsome for bouquets. Sow early and plant out in pots or open ground. Pkt. 10c.

Forget-Me-Not. *Myosotis.* Low-growing, popular, perennial plants, blooming the first season if sown in the fall or very early in spring. Fine for borders and edgings. A constant and profuse bloomer. Flowers mostly blue, with white or yellow center. **LIGHT BLUE,** handsome. Pkt. 10c.

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Fox Glove. *Digitalis.* A tall-growing biennial, with large leaves and spikes of various colored and spotted flowers. Greatly improved of late, and are now really magnificent plants. **EXTRA MIXED.** Pkt. 5c.

Gaillardia. Beautiful showy annuals, one to two feet high. PICTA. Crimson and yellow. Hardy; with root protection in winter becomes perennial. Pkt. 5c.

Gilia. A hardy, easily grown annual, having delicate, graceful leaves and handsome flowers, of a great variety of attractive colors and shades. MIXED. Pkt. 5c.

Globe Amaranth. *Gomphrena.* Extremely handsome everlastings. The flowers should not be cut until fully matured; will keep for years, and are fine for fresh cut flowers, and almost indispensable for winter bouquets. Half-hardy annual. MIXED. Pkt. 5c.

Gloxinia. Beautiful greenhouse plants. They grow well in a light, rich soil. HYBRIDA MIXED. Pkt. 50c.

Godetia. Beautiful plants of easy cultivation, producing large, showy flowers. Hardy annuals of dwarf habit. Recently much improved. MIXED. Pkt. 5c.

Golden Feather. *Pyrethrum parthenifolium aureum.* Desirable border plant. Foliage delicate, beautifully fringed, of a bright golden tint. To secure the most elegant borders cut out the flower spikes as fast as they appear. Hardy perennial of easy cultivation. Pkt. 10c.

Grevillea Robusta. The Silk Oak. Very beautiful and graceful foliage; highly valued as a decorative plant for the table, and when large for tropical lawn effects; tender perennial, 3 to 5 feet. Pkt. 10c.

Gourds. *Cucurbita.* Rapid-growing, tender, trailing annuals of easy cultivation. Useful for covering walls, fences and unsightly places. The fruit of many varieties is elegant and curious, and some may be used as dippers, bottles, etc. DISH CLOTH. Pkt. 5c.

EGG-SHAPED. White, very useful for nest eggs. Does not crack or decay. Pkt. 5c.

DIPPER OR BOTTLE. Useful and handsome. Pkt. 5c.

MIXED. Seed from the best varieties. LARGE VARIETIES. SMALL VARIETIES, each, Pkt. 5c.

Gypsophila. Delicate, useful, free flowering plants, for baskets, edgings, or winter bouquets, for which purpose they should be gathered when in full bloom and dried in the shade. Annual and perennial. MURALIS. Pink, hardy annual. Pkt. 10c.

PANICULATA. White. Best for white bouquets. Hardy, perennial. Pkt. 10c.

Helichrysum. Everlasting Flower. Very ornamental, hardy annuals for the garden, and one of the best of all for winter bouquets. Gather when partially opened and dry in the shade. Will thrive in any good garden soil. DOUBLE MIXED. Pkt. 5c.

Heliotrope. Delightfully fragrant, free-blooming, tender, perennial plants. Splendid for bedding or pot culture. The fragrance of its flowers cannot be excelled in exquisite delicacy. Invaluable for bouquets. MIXED. Choice. Pkt. 10c.

Hibiscus. Fine, showy plants, with glossy leaves and large brilliant flowers. In bloom throughout the entire season, and if potted and removed in doors will bloom all winter. Hardy annuals, of easy cultivation. EXTRA MIXED. Pkt. 10c.

AFRICANUS. Yellow and Brown. Pkt. 10c.



Hollyhock. *Althea.* The Hollyhock has been greatly improved, the double varieties being now almost as perfect as Camellias and quite as varied and brilliant in color. Their majestic stalks, crowded on all sides with magnificent flowers, is a sight not soon to be forgotten. Our seed is saved from a very large collection of the best strains. Perennials of easy cultivation. DOUBLE MIXED. Choice. Pkt. 5c.

GOLDEN YELLOW. Double. Choice. Pkt. 10c.

WHITE DOUBLE. Very large. Pkt. 10c.

SCARLET, superb. Pkt. 10c.

BLACK, WHITE MARGIN. Pkt. 10c.

Hyacinth Bean. *Dolichos.* Rapid growing, ornamental, climbing annual, bearing clusters of beautiful purple and white flowers, followed by highly ornamental seed-pods. Plant where they are to remain, as they do not bear transplanting. LABLAB. Mixed. Pkt. 10c.

Ice Plant. *Mesembryanthemum crystallinum*. A dwarf, succulent, trailing plant for edging, rock-work, hanging-baskets, and vases. The stems and leaves are very curiously covered with crystals resembling globules of ice, from which it takes its name, and which give it a very remarkable and brilliant appearance in the sun. Tender annual. Pkt. 5c.

Ipomopsis. Standing, or Tree Cypress. Beautiful plant, with fine, feathery foliage and long spikes of dazzling orange and scarlet flowers. Very effective for conservatory or outdoor decoration. Prefers a dry, warm situation. Half-hardy perennial. MIXED. Pkt. 5c.

Lantana. Free flowering, shrubby plants, suitable for out-door or pot-culture. The flowers emit an agreeable odor, and are of many shades of purple, orange and white. Half-hardy perennial. MIXED. Finest Hybrids. Pkt. 10c.

Larkspur. A very ornamental class of profuse blooming plants, with tall spikes of many colored flowers. Hardy annuals and perennials. The perennial can be multiplied by dividing the roots. DWARF GERMAN ROCKET. Mixed. Annual. Pkt. 5c.

TALL-BRANCHING, STOCK-FLOWERED. Mixed. Perennial. Pkt. 5c.

Linum. Beautiful, slender, free-flowering plants of many bright colors. Hardy annuals and perennials. Very showy. BEST MIXED. Many colors and shades. Pkt. 5c.

GRANDIFLORUM RUBRUM. Crimson flax. Pkt. 5c.

LEWISII VARIEGATUM. Blue flax. Pkt. 5c.

Lobelia. Delicate, low-growing annual plants, of the greatest value for borders, ribbons, edgings, rock-work, and hanging baskets. The seed is very fine, and can be sown early in boxes or a little later in open ground and the plants transplanted. CRYSTAL PALACE COMPACTA. Very Dwarf. Blue. Pkt. 10c.

ERINUS GRACILIS. Blue. Pkt. 10c.

FINEST MIXED. Pkt. 10c.

Marigold. *Calendula* and *Tagetes*. The Marigolds are well-known, hardy annuals of easy cultivation. They are really magnificent flowers. The colors are gold, orange and varying shades of these colors. They flower early and bloom all summer.

AFRICAN. Double Mixed. Pkt. 5c.

FRENCH. Double Mixed. Pkt. 5c.

Mignonette. A well-known, hardy annual. Perennial if protected. Produces abundantly spikes of exceedingly fragrant flowers of different colors. The flowers should all be cut when in full bloom, as the plant soon exhausts itself in maturing seed. By sowing at intervals flowers can be had during the whole season. No garden is complete without it. Easily grown. RESEDA ODORATA. The well-known, large flowering Mignonette. Pkt. 5c.

GOLDEN QUEEN. Dense dwarf growth. Pkt. 5c.

MACHET. Dwarf. Fragrant red flowers. Good for pot culture. Pkt. 10c.

Moon Flower. *Ipomea Mexicana grandiflora*. Rapid growing annual. Covers an arbor, trellis or lattice work, twenty feet high, in eight or ten weeks. The flowers are large, waxy white and very showy. They open out on cloudy days and in the evenings. Pkt. 25c.

Morning Glory. *Convolvulus Major* and *Minor*. The tall varieties are popular, well-known, rapid growing climbers, of the easiest cultivation. Valuable in every garden for trailing on fences, arbors, and verandas. The Minor or Dwarf varieties flower very freely and do not require support. The flowers are very showy and run through various colors from white to dark blue and red. Plant early where they are to remain, if possible. Hardy annual. CONVOLVULUS MAJOR. Choice Mixed. Tall. All colors. Pkt. 5c.

CONVOLVULUS MINOR. Dwarf. Mixed. All colors. Pkt. 5c.

IMPERIAL JAPANESE. Many beautiful varieties are included in this mixture. There are solid colors, ranging through reds from soft rose to crimson, bronze and garnet maroon; from daintiest light blue to ultramarine, indigo and blackish purple; from snow-white to cream and silver-gray. Some are striped, blotched and spotted; others have magnificent edges and throats; including purple with white edge and red throat; carmine with white edge and red shaded throat; garnet with white throat, etc. Mixed. Pkt. 15c.

Musk Plant. *Mimulus moschatus*. Cultivated for its rich, musky odor. Annual; becoming perennial in warm climates. Should have a rich soil and ample moisture. Pkt. 10c.



Mignonette.

Nasturtium. *Tropaeolum.* Both the leaves and flowers of the Common Tall Nasturtium are very handsome for table decorations. The leaves are also used, when young as salad, and the seeds gathered while green and tender are esteemed by many for pickles. See *Vegetable List*. The Lobbianums are, however, superior to the common varieties when desired for ornamental purposes only. The flowers are larger, more compact, richer and more varied in color; produced more abundantly and contrast charmingly with the bright, clean, luxuriant foliage. Fragments of the vine, cut and placed in vases, will remain fresh and bloom for many days. The Dwarf Varieties have also been greatly improved, and are now among the most attractive bedding and border plants. All Nasturtiums are rapid growers, flowering best where the soil is not too rich. Hardy annuals.

TALL VARIETIES.

BLOOD RED. Pkt. 5c. BRIGHT SCARLET. Pkt. 5c. CARMINE. Pkt. 5c.

SCHILLINGI. Bright Yellow. Pkt. 5c.

GOLDEN YELLOW. Pkt. 5c. Separate colors; each, 20c. per oz.

LOBBIANUM VARIETIES. The very finest flowering kinds. Mixed. Pkt. 5c; 1 oz. 20c.
COMMON VARIETIES. Fine mixed. Pkt. 5c; 1 oz. 15c.

TOM THUMB DWARF VARIETIES.

DARK CRIMSON. Pkt. 10c. GOLDEN KING. Fine. Pkt. 10c.

EMPEROR OF INDIA. New. Dark leaves. Crimson flowers. Superb. Pkt. 10c.

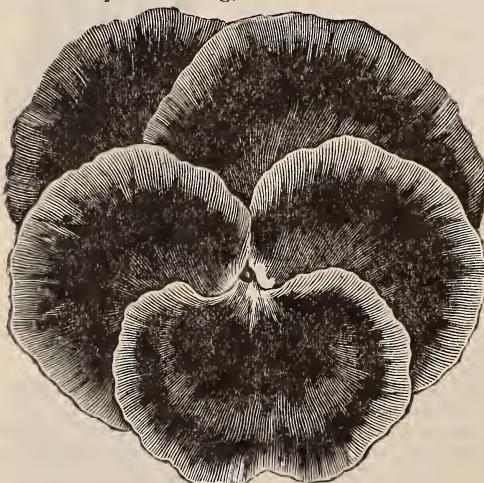
PEARL WHITE. Pkt. 10c. Separate colors; each, 20c per oz.

FINEST MIXED. All colors. Choice. Pkt. 5c; 1 oz. 15c.

Nemophila. Love Grove. A dwarf, very free blooming plant, with flowers of various colors. Fine as a border plant. Fine mixed. Pkt. 5c.

Oenothera. Evening Primrose. A perennial of strong growth, opening its blossoms late in the afternoon; hence the name. Quite attractive when covered with a mass of flowers. Pkt. 5c.

Pampas Grass. *Cynherium argenteum.* A noble, perennial, ornamental grass, easily grown from seed, producing majestic plumes that are inimitable for winter decorations. They are used in their natural silvery state, or dyed any desired color. When well dried, take by the stalk and shake thoroughly to bring out their beautiful, plume-like appearance, and when dusty and fading, it will restore them. The plants will bloom the second year. Pkt. 10c.



Trimardeau.

TRIMARDEAU MARBLED ON YELLOW GROUND. Pkt. 15c.

" VIOLET BLUE. Pkt. 15c.

" KING OF THE BLACKS. Pkt. 15c.

" STRIPED. Pkt. 15c.

" MIXED. Pkt. 10c.

BUGNOT'S SUPERB BLOTTCHED. Pkt. 25c.

CASSIER. Three and five blotched giant. Pkt. 20c.

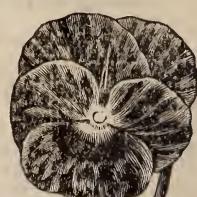
Pansy. *Viola tricolor.* The Pansy is one of the most popular annuals, and justly held in high esteem. It furnishes a profusion of bright, showy flowers of a great variety of rich colors and shades and markings, throughout the entire season, the flowers remaining perfect a long time. It should have the richest soil, abundant moisture, and a shaded locality. We give a choice list, every one of which, we feel confident, will give satisfaction, as we have taken the greatest care to procure the very best seed.

TRIMARDEAU. Our stock of Trimardeau Pansies is the very finest strain that can be obtained. The flowers are of immense size and exquisitely marked. Do not fail to plant some of them.

TRIMARDEAU WHITE. Pkt. 15c.

TRIMARDEAU YELLOW. Pkt. 15c.

" MARBLED ON WHITE GROUND. Pkt. 15c.



Fancy Striped.

IMPERIALIS or **ODIER PRIZE PANSIES**. Extra quality. Pkt 20c.
PARISIAN LARGEST SPOTTED. New, very large flowering. Pkt. 15c.
COUQUETTE DE POISSY. New, Mauve. Pkt. 20c.
FANCY STRIPED. Large flowered. Pkt. 10c.



King of the Blacks.

FAUST, OR KING OF THE BLACKS. This is an exceptionally fine strain of this handsome variety, and we recommend it highly. Pkt. 10c.

EMPEROR WILLIAM. Indigo; dark center. Pkt. 5c.
VICTORIA. Claret red. Pkt. 15c.
BRONZE. Pkt. 5c.
SNOW QUEEN. Pure White. Pkt. 5c.
LIGHT BLUE. Pkt. 5c.
MAMMOTH MIXED. Pkt. 20c.
EXTRA MIXED. Pkt. 5c.

Petunia. Too much cannot be said in praise of the Petunia as a bedding plant. During the whole season it is covered with large showy blossoms, which are always bright and fresh, in spite of the heat and drouth. Hardy perennial, blooming the first year. The flowers are of an almost infinite variety of colors and markings, and quite as varied in form; large and small, fringed and plain, double and single. **SINGLE**. Choice mixed. Pkt. 5c.

BLOTTED AND STRIPED. Pkt. 5c. **FRINGED MIXED**. Pkt. 25c.

LARGE FLOWERED WHITE. Pkt. 5c.

DOUBLE MIXED. Choice Hybrids, best, all colors. Pkt. 25c.

Phlox Drummondii. These flowers are of extreme beauty and are greatly admired by all. Their long duration in bloom, combined with their almost unequaled richness of color, render them of invaluable service in the general flower garden, and a finer sight than a bed of Phlox Drummondii is scarcely ever to be seen. Half hardy annuals. Grandiflora. **FINE MIXED**. Pkt. 5c.

LARGE FLOWERING WHITE. Pkt. 5c. **COCCINEA**. Deep scarlet. Pkt. 5c.

BLACK WARRIOR. Deep Purple. Pkt. 5c. **PERENNIAL**. Pkt. 10c.



Pink.

Pink. *Dianthus*. The flowers are of the richest and most pleasing colors, and nothing can surpass the exquisite fragrance of some varieties. They are hardy and become perennial in warm climates and when protected. New seed should be sown every year or two. Old plants fail rapidly. Young ones produce the greatest number and much the finest flowers. **CHINESE FLORE PLENO**. Double China Pink. Finest Pink. Pkt. 5c.

DIADEMATUS. Diadem Pink. Double. Finest mixed. All colors. Pkt. 5c.

PLUMARIUS. Pheasant's Eye Pink. Fringed flowers. Pkt. 5c.

BARBATUS. See Sweet William.

CARYOPHYLLUS. See Carnation.

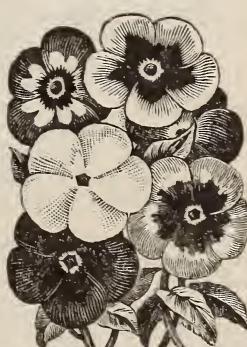
Primrose. *Primula vulgaris*. **ENGLISH PRIMROSE**. The old favorite yellow Primrose now so popular and fashionable. Pkt. 10c.

CHINESE PRIMROSE. *Primula Sinensis*. Well-known greenhouse and conservatory winter blooming plants. Nothing can surpass them for pot and indoor blooming plants. Their various forms and blending of colors are exceedingly pleasing and effective. They thrive best in a soil of sandy loam, and leaf mold. Tender perennial. **FIMBRIATA**. Choice fringed varieties. Mixed. Pkt. 25c.

DOUBLE. Extra mixed. In great variety. Pkt. 25c.

Portulaca. Very popular, low-growing, hardy annuals, making a most brilliant display in the garden and very suitable for borders and edgings. Sow early, in warm, light soil, and thin plants to four inches. All colors. **SINGLE MIXED**. Pkt. 5c.

FINEST DOUBLE MIXED. Pkt. 10c.



Phlox Drummondi.



Poppies.

Poppy. *Papaver.* The poppy is well-known, and really a magnificent flower. The flowers are borne separately on tall stalks, both double and single, and of many bright colors. They are hardy annuals, and may be sown as soon as the ground can be prepared. **CARNATION.** Double-mixed, beautiful flowers of many colors. Pkt. 5c.

DOUBLE SCARLET. Pkt. 5c. **DOUBLE WHITE.** Pkt. 5c.

UMBROSUM. Rich vermillion, with a glossy black spot on each petal. Pkt. 10c.

THE SHIRLEY. Of glossy, satiny texture, but ranging through many colors. Pkt. 5c.

BRACTEATUM. Hardy perennial. Very showy. Red. Pkt. 5c.

Rhodanthe. A valuable dwarf everlasting flower. Succeeds best in a light, rich soil, and a warm sheltered situation. Cut as soon as fully blown, and dry in the shade. Half-hardy annual. **EXTRA MIXED.** All colors. Pkt. 5c.

Salpiglossis. Pretty ornamental annuals, bearing richly colored, funnel-shaped flowers; marbled yellow, crimson, scarlet, purple and blue. **FINE MIXED.** Pkt. 5c.

Scabiosa. Mourning Bride. Handsome flowers, of delicious fragrance, borne on long, branching stalks that have but little foliage. The flowers resemble in appearance some varieties of Dahlias and are very symmetrical and handsome. Colors various, from white to purple and scarlet. Half-hardy perennial of easy cultivation. **FINEST DOUBLE MIXED DWARF.** All colors. Pkt. 5c.

Salvia. Ornamental sage. Very ornamental, producing tall spikes of brilliant flowers. Sow early in hot beds, and transplant two feet apart. **SPLENDENS.** Scarlet. Pkt. 5c.

PATENS. Brilliant Blue. Pkt. 25c. **COCCINEA LACTEA.** Milk White. Pkt. 10c.

Sensitive Plant. *Mimosa.* A peculiar plant, with globular heads of pink flowers; interesting on account of the irritability of its leaves and stalks which will, on being touched or shaken, close and droop as if dead. Tender annual. Pkt. 5c.

Smilax. The most useful and beautiful of all climbing plants for florists. It can be trained from pots or hanging baskets around windows and over ceilings with charming effect. Tender perennial. Pkt. 10c.

Snapdragon. *Antirrhinum.* One of the most useful and showy of border plants. Of almost every color, and striped as beautifully as Carnations. The flowers are singular in form and, when taken between the thumb and finger and alternately pressed and released, will open and close with a snapping motion, from which they take their name. Hardy perennials of easy cultivation. **TALL MIXED.** Pkt. 5c. **DWARF MIXED.** Pkt. 5c.



Stocks. The Stock, known by some as Gilliflower, has recently been so greatly improved as to be considered almost indispensable for bedding and edgings. Their varied and brilliant colors, profusion of blooms and delicious fragrance render them popular favorites. Hardy annuals, except where noted. **FINEST MIXED.** Pkt. 5c.

TEN WEEKS. Large flowered; dwarf; mixed. Pkt. 5c.

TEN WEEKS. Large flowered. White, Canary Yellow, Crimson, Light Blue, Chestnut, Blood Red; each, per pkt. 10c.

BROMPTON, or Winter. Mixed. All colors. Pkt. 15c.

EMPEROR. Perennial. Mixed. Pkt. 25c.

Sunflower. *Helianthus*. A well-known plant, adapted by its steady growth for a back ground to the lawn, or a screen to hide unsightly places. It is also grown as an absorber of miasma in damp or ill-drained situations. The flowers, especially of the double varieties, are really quite attractive. (See also Vegetable list). Hardy annuals. **GLOBE-SHAPED.** Pkt. 5c.

CALIFORNICUS. Double orange. Pkt. 5c.

Sweet William. *Dianthus barbatus.* Well-known, remarkably free-flowering plants. The colors are very brilliant, ranging from snow-white to darkest crimson and purple. They emit a very delicate fragrance. Hardy perennial. The seed may be sown as soon as the ground can be prepared. The roots can be divided. **SINGLE MIXED.** Pkt. 5c.

DOUBLE. Mixed. Pkt. 5c.

Snapdragon.



SWEET PEAS.

The Sweet Pea is today one of the most popular flowers for bouquets, table and parlor decoration. Their variety of beautifully contrasted colors, clear, fresh appearance, and delicious, refreshing fragrance, make their appearance always inviting. They should be planted near some suitable support, in any good garden soil, and kept well-watered. We give a list of choice named kinds, and our mixtures include a large assortment of the best named varieties. Our stock is from the largest Sweet Pea growers in the United States, and is equal in quality to that offered by any Eastern firm. We offer them at the following prices except as otherwise noted. Pkt. 5c; 1 oz. 10c; 2 oz. 15c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

CUPID. The novelty of '96 in Sweet Peas. The first genuine dwarf ever offered. Blossom pure white. Pkt. 5c; 1 oz. 20c.

ALBA MAGNIFICA. White; very early; strong grower; fine bloomer.

AMERICA. Red and white striped; large. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 60c.

APPLE BLOSSOM. Bright pink and blush.

BLANCHE BURPEE. Superb, pure white, immense size. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 85c.

BLUSHING BEAUTY. Soft Pink, suffused with lilac; large.

BOREATTON. Bronze crimson and purple.

BUTTERFLY. White; tinted lilac. Delicate.

CAPT. CLARK. Red, white and blue. Striking.

CAPT. OF THE BLUES. Bright purple and pale blue.

CARDINAL. Crimson scarlet.

COUNTESS OF RADNOR. Lavender.

DOROTHY TENNANT. Bluish mauve and rosy mauve. Odd; attractive.

DUCHESS OF EDINBURGH. Scarlet, flushed crimson.

EMILY HENDERSON. Pure white; largest size

EXTRA EARLY BLANCHE FERRY. Ten days earlier than Miss Blanche Ferry. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 60c.

IREFLY. Intense crimson scarlet. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 85c.

GAIETY. Standards white, striped rosy lilac; wings blush.

GRAY FRIAR. Beautiful watered purple on white ground. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 80c.

HER MAJESTY. Soft rosy pink; large. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

IGNEA. Fiery crimson scarlet; slightly flushed purple.

INDIGO KING. Maroon; shaded bronze purple.

ISA ECKFORD. Creamy white and rosy pink.

JUANITA. White ground striped with lavender. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

KATHERINE TRACY. Exquisite soft pink; large.

LADY PENZANCE. Pale blue, laced with rose.

LEMON QUEEN. Blush pink and lemon.

LOTTIE ECKFORD. Rose and white, edged with blue.

MISS BLANCHE FERRY. Pink and white; very fragrant.

MONARCH. Bronze crimson and blue. Superb.

MRS. JOS. CHAMBERLAIN. White, striped and flaked with bright rose. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75.

MRS. ECKFORD. White, shaded with primrose. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

MRS. GLADSTONE. Delicate pink with bluish wings. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c;

MRS. SANKEY. Pure white, perfect form; large; profuse bloomer.

NELLIE JAYNES. White and light pink.

ORANGE PRINCE. Orange Pink.

PRIMROSE. Pale primrose yellow; novel.

PRINCESS MAY. Pale lavender; most beautiful new variety. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

PRINCESS BEATRICE. A popular, rosy pink.

PRINCESS OF WALES. White ground, striped lavender.

QUEEN OF ENGLAND. Pure white, large flowers.

RED RIDING HOOD. New. Rosy pink; standard closely overlaps the wings. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c.

SENATOR. Chocolate and cream white, mottled.

SPLendor. Bright rose flushed crimson.

VENUS. Salmon-buff; standards shaded pink.

WAVERLY. Pale blue and rosy claret.

NAMED VARIETIES MIXED. A mixture of the above fine varieties. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

ECKFORDS' HYBRIDS MIXED. Mixed seeds from the best varieties introduced by this celebrated grower. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

EXTRA MIXED. Large flowered. 1 oz. 5c; $\frac{1}{4}$ lb. 15c; 1 lb. 45c.

For Sweet Pea Collections, see inside of back cover.

Pea, Everlasting. *Lathyrus latifolius*. Hardy perennial climber. Flower similar to Sweet Peas, but not fragrant. WHITE. Pkt. 10c. MIXED. Pkt. 5c.



Verbena. A well-known and universally popular bedding plant, blooming all summer. Plants grown from seed are more healthy and make larger and hardier plants than those from cuttings; if sown in spring will flower quite early. Half-hardy perennial. FINE MIXED. Pkt. 10c.

MAMMOTH. Extra fine; mixed. Pkt. 15c.

SCARLET, PURE WHITE, STRIPED, BLUE BLACK WITH WHITE EYE; each, per pkt. 10c.

Violet. *Viola odorata*. Extremely fragrant, early blooming, low-growing plants. Useful for borders, rock-work and bedding. Exceedingly fragrant, a few flowers being sufficient to fill a room with their delicious fragrance. Thrives best in a cool, shady place. Hardy perennial, of easy cultivation. Sweet scented; blue and purple. FINE MIXED. Pkt. 10c.

Mammoth Verbena. Wall flower. *Cheiranthus cheri*. A well-known half-hardy perennial, producing spikes of beautiful, exceedingly fragrant flowers. The petals are velvety; the color deep orange, shading to brown; rich and handsome. If taken in or protected, they will bloom all winter. FINEST DOUBLE. Mixed. Pkt. 5c; SINGLE. Large flowered. Mixed. Pkt. 5c.

NEW ANNUAL. One of the most valuable of recent introductions, flowering the first year from seed. Pkt. 5c.

Zinnia. Large flowering, branching annuals, in bloom the latter part of the season. The flowers are as double as Dahlias, which they resemble, and of as great a variety of rich colors and shades. They can be dried, and will remain fresh in appearance and handsome for winter bouquets. Easily grown and transplanted, and remarkably showy for beds or as a low hedge. Half-hardy annuals. TALL DOUBLE. Mixed. Pkt. 5c.

DWARF DOUBLE. Mixed. Pkt. 5c.

FLOWERING BULBS.

We are constantly increasing the variety and quantity of the summer flowering bulbs which we handle. Our list of Japanese Lilies is worthy of special attention. It is the most complete assortment ever offered in the Northwest, and we are sure cannot fail to please the lover of handsome flowers. Try a bed of them this year.

Bleeding Heart. Produces freely fine racemes of pink and white heart-shaped flowers; graceful foliage. Each, 30c; by mail, 40c.

Caladium Esculentum, or Elephant's Ear. Large size 40c; per doz. \$4.00, postpaid.

Cinnamon Vine. A tuberous-rooted climber that grows with great rapidity, quickly covering walls, trellises, etc. Its bright, lively green foliage makes an attractive dense screen. 10c. each, postpaid.

Dahlia, Double. We have these in several colors. Order, stating about what color you wish, and we will fill with the desired color, or the nearest to it we can; each 15c; per dozen \$1.25. **CACTUS DAHLIA.** This new type is the most unique departure in Dahlias. They are very pronounced favorites, because of their remarkably graceful appearance, as they have none of the formality and stiffness so characteristic of the other varieties. Each 15c; per doz. \$1.25.

It wanted by mail, add 5c. per tuber or 25c. per doz. to either Double or Cactus Dahlias, for postage.



Lemoine Gladiolus.

Gladiolus. A magnificent class of summer flowering bulbs. The colors vary from the most delicate tints to the rich glowing beauty of the orchids and Amaryllis. By planting every two weeks during spring and early summer, a succession of bloom may be had until frost. Easy of cultivation. We have a large stock of mixed varieties, far surpassing in size any that can be obtained from Eastern firms and their colorings and markings are very fine.

PURPLE, YELLOW, LIGHT AND WHITE, large size, each 10c; per doz. 75c; medium size, each 7c; per doz. 60c; regular size, each 5c; per doz. 40c. MIXED COLORS, large size, each 8c; per dozen 60c; medium size, each 5c; per dozen 40c. All postpaid.

NAMED GLADIOLI.

MARY LEMOINE. Large bulbs. Each 15c; 1 doz. \$1.50.

SNOW WHITE. The best white Gladiolus in cultivation. Nearly the entire flower is a perfect paper-white with a slight cream shade on half the lower petal.

Lilies, Japanese. We have a full line of Japanese lilies, which are catalogued in our fall Bulb List, but we give here most of the leading varieties. These require very little care. The principal thing to be attended to is to forbear disturbing them too often. *Lilium auratum* cannot bear manure; ordinary light soil suits them best. The *L. speciosum* are, next to *L. auratum*, the most magnificent species. Lilies should be planted deep, not less than six inches. Prices include postage.

AURATUM. Golden-banded lily, large size, each 15c; per dozen \$1.50.

AURATUM PLATYPHYLLUM (*Macranthum*), similar to *Auratum*, but larger flower; each 30c; per doz. \$3.00.

AURATUM PICTUM, pure white with red and yellow band; each 35c; per dozen \$3.50.

AURATUM VIRGINAL ALBUM. White with yellow band and white spots; each 40c; per dozen \$4.00.

AURATUM RUBRO-VITTATUM. White with crimson stripe; each 60c; per dozen \$6.00.

AURATUM WITTEI. White with yellow band, no spots; each 60c; per dozen \$6.00.

BATEMANIAE. bright apricot-tinted; each 15c; per dozen \$1.50.

BROWNII. Cream inside, purplish outside; each 65c; per dozen \$6.50.

CALLOSUM. Clear orange red, no spots; each 20c; per dozen \$2.00.



Lilium Auratum.

CONCOLOR VAR. OHIME. Deep scarlet spotted with black; each 20c; per dozen \$2.00.

CORDIFOLIUM. White, heart-shaped leaves; each 15c; per dozen \$1.50.

CORIDION VAR. OKIHIME. Pure yellow without spots; each 15c; per dozen \$1.50.

ELEGANS. Extra red; each 10c; per dozen \$1.00.

ELEGANS ALICE WILSON. Canary yellow, large; each 60c; per dozen \$6.00.

ELEGANS ATROSANGUINEUM. Dark blood-red; each 20c; per dozen \$2.00.

ELEGANS INCOMPARABLE. Richest red lily known; each 20c; per dozen \$2.00.

ELEGANS ORANGE. Very early, orange yellow; each 15c; per dozen \$1.50.

ELEGANS SEMIPLENO. Semi-double; each 15c; \$1.50.

ELEGANS VARIEGATED. Flower red and yellow variegated; each 50c; per dozen \$5.00.

HANSONI. Yellow, chocolate spots; each 75c; per dozen \$7.50.

KRAMERI. Soft beautiful rose color; each 20c; per dozen \$2.00.

LEICHTLINII. Canary yellow with spots; each 25c; per dozen \$2.50.

LEICHTLINII ORANGE RED. Similar to above except color; each 20c; per dozen \$2.00.

LANGIFLORUM. Pure White, best Easter lily; each 15c; per dozen \$1.50.

LONGIFLORUM GIGANTEUM. Mammoth size flower; each 15c; per dozen \$1.50.

SPECIOSUM ALBUM. Purest white; each 20c; per dozen \$2.00.

SPECIOSUM RUBRUM. White with dark rose spots; each 20c; per dozen \$2.00.

SPECIOSUM RUBRUM MELPOMENE. Rich blood crimson heavily spotted; each 20c; per dozen \$2.00.

TIGRINUM SPLENDENS. Orange salmon spotted with black; each 15c; per dozen \$1.50.

UKEYURI. NEW. Flower resembles L. Longiflorum; leaves like L. Speciosum; each 50c; per \$5.00.

Lilies, Native. Pacific Coast. Many beautiful varieties that deserve more general cultivation. Prices include postage.

BLOOMERIANUM. Orange; each 20c; per dozen \$2.00.

BOLANDERI. Crimson shaded to copper at base, flower bell-shaped, 1½ feet high, foliage bluish green; each 25c; per dozen \$2.50.

COLUMBIANUM. Orange red with crimson spots; each 15c; per dozen \$1.50.

HUMBOLDTII. Orange with brown spots, large; each 20c; per dozen \$2.00.

PARDALINUM. Orange red, maroon spots; each 15c; per dozen \$1.50.

PARDALINUM—New—Upper end of petals deep crimson, center of flower bright orange; each 25c; per dozen \$2.50.

PARRYII. Lemon yellow; each 25c; per dozen \$2.50

RUBESCENS. New, similar to Wash'num but stronger color; each 15c; per dozen \$1.50.

WASHINGTONIANUM. Blush white with pink spots; each 15c; per dozen \$1.50.

Lily of the Valley. FORCING PIPS; each, 5c; per dozen 30c; per dozen by mail, 40c. CLUMPS. Each, 30c; by mail 35c.

Madeira Vine. Has thick, glossy leaves with long, hanging stems of feathery, fragrant, white flowers; each 10c. postpaid.

Mountain Rose. A vine. Flower resembles a rose, satiny pink. Hardy. In bloom for months. Each 10c; per dozen \$1.00.

Paeonies. RED, WHITE, PINK; each 25c; by mail 40c.

Tuberose. Dwarf Pearl. Fine bloomer. Each 5c; per dozen 40c.

FERTILIZERS.

That commercial fertilizers are needed to keep up the productiveness of the farms of the Northwest is now a recognized fact. We offer several mixtures of good quality.

Vegetable Fertilizer. This compound is prepared specially for potatoes, vegetables, and garden truck, and is unsurpassed for bringing these crops to early maturity. 100 lb. sack, \$2.50; 500 lb. lots, \$2.00 per 100 lbs.

Complete Fertilizer. An all around fertilizer for ordinary farm and garden products. 100 lbs. \$2.00; ton \$35.00.

Fruit Fertilizer. This excellent fertilizer is made expressly for fruits. Its use for fruit trees, vines and shrubs of all kinds will be followed by a great improvement in the quality and increase in quantity. 100 lb. sacks, \$2.00; ton \$35.00

Lawn Fertilizer. For grass lands, lawns and flowers. This article has been specially prepared to meet the requirements of grass lands, and has been used on a great many lawns in and about this city, with highly satisfactory results. Do not use barn-yard manure on a lawn, for it will fill it full of weeds. This fertilizer will feed the roots better and bring in no weeds. 25 lb. sack, \$1.00; 50 lb. sack, \$1.50; 100 lb. sack, \$2.50; ton, \$40.00.

Odorless Fertilizer. 25 lbs. \$1.00; 50 lbs. \$1.90; 100 lbs. \$3.50.

Hop Fertilizer. This is an excellent manure, and is just the thing needed for the successful growth of hops. A trial will convince hop men of its value. 25 lbs. 85c; 50 lbs. \$1.25; 100 lbs. \$2.00; 500 lbs. \$8.50; ton \$33.00.

Super-Phosphate. 100 lbs. \$2.00.

Pure Bone Meal. We supply pure bone meal, finely ground, for use on crops of all kinds. Every farmer knows that animal bone is a most valuable enricher of the soil and a crop-producer, and is sure to pay well when used. 100 lbs. \$1.50; ton \$25.00.

Granulated Bone. For chickens. 100 lbs. \$1.50; ton \$25.00.

For larger quantities of any of these fertilizers, write for special quotations.

DIRECTIONS FOR USING.

For Grass. Use 300 to 350 pounds to the acre. Apply broadcast before a rain.

For Vines and Fruit Trees of Every Kind. Loosen the earth about the vine or tree, and use at the rate of 500 lbs to the acre, working it into the soil.

For Potatoes. Mix the fertilizer with the earth where the seed is dropped. Use at the rate of 400 pounds to the acre.

For Corn or Vegetables. Use from 300 to 800 pounds to the acre, thoroughly mixed into the soil at the time of sowing the seed.

For Hops. Use from 400 to 500 pounds to the acre.

A light top dressing of these fertilizers, applied at any time, will be found to aid the growth of crops very materially.

OTHER FERTILIZERS.

Land Plaster. Sacks of about 100 lbs, \$1.00; ton \$12.00.

Nitrate of Soda. \$3.50 per 100 lbs; ton, \$60.00.

Fish Guano. 3c. per lb; \$1.75 per 100 pounds.

Peruvian Guano. Market price.

Muriate of Potash. $3\frac{1}{2}$ c per lb; sack 224 lbs. \$6.75; ton, \$54.00.

Sulphate of Potash. $3\frac{3}{4}$ c per lb; sack 224 lbs. \$7.35; ton, \$60.00.

Kanit. $1\frac{1}{2}$ c. per lb; sack of 224 lbs. \$2.80; ton, \$20.00.

Bowker's Plant Food. Best Fertilizer for house plants. $\frac{1}{2}$ lb. package 25c; 1 lb. package 50c; postpaid.

SPRAYING PUMPS.

Now that spraying has come to be recognized as a necessity, one of the first and most essential things for an orchardist to have is a good spray pump, one that will handle the different washes and sprays to be used in his orchard in the most effective and economical manner.

A GREAT BARGAIN.

Lewis Combination Force Pump. For small orchards and on the farm. One of the best brass pumps ever put on the market. It has an extra large air chamber, an agricultural syringe attachment and a veterinary nozzle. It can be used to spray trees, to wash wagons, buggies or windows, to put poison on potato bugs, or on insects on shrubbery, to sprinkle the flowers in the garden, and it also throws a strong and heavy enough stream to be of practical value in case of fire. A splendid pump. Price, reduced almost half. Now \$3.00.

The accompanying cut shows the Lewis Combination Force Pump in use, and also the patent spray nozzle, which can be changed from solid stream to fine or coarse spray instantly, while pumping. It is impossible to clog this nozzle.

Smith's Patent Force Pump. Tin; three nozzles. 75c.

Potato Bug Exterminator. An agricultural syringe with a rose spray, \$1.25.

Best quality Hose for Spray Pumps, 3 ply, $\frac{1}{2}$ inch, 15c per ft; $\frac{3}{4}$ inch, 19c per ft; 4 ply, $\frac{1}{2}$ inch, 18c per ft; $\frac{3}{4}$ inch, 23c per ft.

Other grades of hose from 5c to 18c per ft.



Myers' Barrel Pump. This pump (Figs. 543 and 544) has patent submerged cylinder, is double acting, has patent expansive rubber bucket, large air chamber to cushion the spray, is provided with two discharge ports, one on each side, of which one or both can be used for spraying. The base is properly shaped to fasten on side or head of barrel, has steel pins, long handles, and is fitted with brass upper and brass lined lower cylinders, with ground brass check valve and brass seat. No rubber or leather packing. It is very powerful and easy to operate.

No. 302. Pump complete, except barrel, consisting of pump, 5 feet of $\frac{1}{2}$ -inch, 3-ply hose. Vermoral or Bordeaux spray nozzle, 3 feet of suction pipe, strainer and agitator. Price, \$7.50.

No. 302½. Same as No. 302, with large air chamber. See Fig. 544. Price, \$9.00.

Imperial Bucket Spray Pump. Fig. 598.
Similar to Myers' Bucket Pump, but with hose attached at the top. Price, \$3.75.

Lever Bucket Spray Pump. Similar to the Imperial, with lever handle. Price, \$4.00.

Knapsack Spray Pump. Fig. 547. The tank holds five gallons and is fitted with lid and strainer which can be removed. The pump is the regular Myers' Bucket Pump, with large air chamber, ball valves, solid plunger and agitator. Price, \$7.50.



Fig. 550.

The Deming Pump. This is one of the best pumps manufactured. The **Deming New Agitator** is comparatively and superlatively better than any return stream agitator and the very best one of any kind that we have ever seen. We call this the *only* agitator, because *no other thoroughly agitates* the liquid. **Without an efficient Agitator**, the nozzles, the valves and the suction strainer may clog up, cause the pump to work hard and the operator to make *ambiguous remarks*. Have we said enough? Buy a Spray Pump with "Deming Automatic" Agitator and you will say, "No!" Try it and decide for yourself.

The "Orchard" Spray Pump shown by the above cut is a first class orchard sprayer. It has adjustable attachment or base to fit the top or side of any barrel. The outfit can be placed on a wagon and moved about at will. The Air Chamber is large and insures a constant stream; the pump swings on its base, where it can be fastened in any position. A suction strainer is furnished. The Working Parts are made of brass; the cylinder being brass lined, the piston rod brass cased, and the plunger and valves solid brass. The Discharge is provided with Double Y connection, so that one or two sections of hose may be used at will. A tight cap is pro-

vided for one of the discharge openings.

OUTFIT B. Fig. 550 Spray Pump with 5 feet of $\frac{1}{2}$ inch 3-ply hose, with one spray nozzle. Has Double Discharge Y without barrel. \$8.00.

OUTFIT B. B. The same as Outfit B, but with $12\frac{1}{2}$ feet instead of 5 feet of hose; and 8 feet pipe extension. No barrel. \$9.50.

OUTFIT D. The same as Outfit B, with extra large air chamber and 8 foot pipe extension with Globe valve. No barrel. \$12.50.

The Deming "Peerless." An all Brass Spray Pump is the most durable, particularly if used for applying the fungicides, such as "Bordeaux Mixture" and Ammoniacal Solution of Copper Carbonate. Brass prevents corrosion. The "Peerless" Spray Pump fulfills these requirements, as all working parts are made of brass. The air chamber is also brass, as well as the discharge connection, which is provided with a stop cock for shutting off either or both sections of hose at will. A cap is provided for one of the discharge openings where only one section of hose is used. The Frame and Base are combined in one rigid casting, which is so constructed that it will fit either the top or side of a barrel. The New Swivel Lever enables the operator to work with either the right or left hand, without changing his position—a novel and convenient feature. The Mechanical Agitator is used on this Pump.

OUTFIT B. Pump with 5 feet of $\frac{1}{2}$ inch 3-ply hose and nozzle. No barrel. \$12.00.

OUTFIT B. B. Pump with $12\frac{1}{2}$ feet of $\frac{1}{2}$ inch 3-ply hose and nozzle, with pole connection and 8 foot pipe extension with Globe valve. No barrel. \$14.00.

The Deming "Advance." This pump has brass tube cylinder, brass valves and hollow differential plunger of brass tubing which, in connection with the large air chamber, gives a steady stream, even with heavy work. This pump has $2\frac{1}{2}$ in. cylinder and 5 in. stroke. Two discharge openings are provided each with double Y discharge, (one with 3-way stop cock), thus adapting it for two to four sections of hose. The Mechanical Agitator is used on "Advance" Pumps.

"Advance" Pump as shown by cut with two brass double Y connections with cap, one having stop cock, $12\frac{1}{2}$ feet hose, 8-foot Pipe Extension with Globe valve and nozzle. \$15.00

The Climax Pump. This is a pump which we have carried for years and it has given universal satisfaction. Price, complete with 8-gallon tank, 16-inch iron tube, 5 feet of rubber hose, and Cyclone or Vermorel nozzle. Special price to reduce stock, \$9.00.

Bamboo Extensions, 8-foot lengths, \$1.00. 10-foot, \$1.25.

Pipe Extensions, 8-foot with fittings, 50c; same with stop cock, \$1.25.

Brass Bucket Spray Pump. A first-class pump for spraying small trees and for light work in general. Price, \$3.00.



Advance Pump.

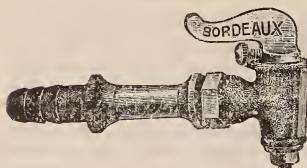


Fig. 965.

Vermorel Nozzle, Fig. 552.....	\$.75
Bordeaux " Fig. 965	1.00
Improved Cyclone Nozzle	1.00
Bean Cyclone Nozzle	1.00
Bear Duck Bill Nozzle	1.00
Hop Nozzle, Fig. 553.....	1.50
McGowan Nozzle.....	1.50

WASHES FOR DESTROYING INSECTS, ETC.

We give below a list of washes recommended by the State Board of Horticulture for destroying insect pests on trees, etc.; also other washes and ingredients for same use.

No. 1. Winter Spray for San Jose Scale and Peach Curl Leaf. Ingredients—salt, lime, sulphur, etc. For winter, use 1 lb. to 2 gal. water; for summer, 1 lb. to 8 gal. water. Apply warm just before buds swell in the spring. 1 lb. 10c; case 25 to 50 lbs. 5c per lb.; 160 lb. case 4c per lb.

No. 2. For San Jose Scale and Woolly Aphis. Ingredients—sulphur, lime, blue vitriol. For winter, use 1 lb. to 2½ gal. hot water and apply just before buds swell; for a preventive, 1 lb. to 5 or 6 gals. water; for summer, 1 lb. to 8 or 10 gals. water. For Codlin Moth, add to 8 or 10 gals. of solution a full $\frac{1}{2}$ oz. Paris Green or London Purple, first making a paste with water. 1 lb. 10c; case 25 to 50 lbs. 5c per lb; case 160 lbs. 4c per lb.

No. 3. Summer Spray for San Jose Scale. Ingredients—whale oil soap, sulphur, caustic soda, commercial potash. 1 lb. to 5 gal. hot water. Apply at almost 130 degrees in the vessel. 1 lb. 10c; case 25 to 50 lbs. 7c per lb.; case 160 lbs. 5c per lb.

No. 4. Resin Wash for Green and Wooly Aphis. A good summer spray for San Jose Scale. Ingredients—Resin, salsoda. For Hop Louse, use 1 lb. to 9 gals. water; for Woolly Aphis, 1 lb. to 7 gals. water; for San Jose Scale, 1 lb. to 6 gals. water. Apply cold or luke warm. 1 lb. 10c; case 25 to 50 lbs. 7c per lb.; case 160 lbs. 5c per lb.

No. 5. Whale Oil Soap. Summer Spray for Hop Louse and Green Aphis. Use 1 lb. to 7 gals. water. 1 lb. 10c; case 25 to 50 lbs. 5½ per lb.; case 160 lbs. 5c per lb.

No. 7. Bordeaux Mixture for Fungi. Ingredients—Sulphate of copper, lime. For winter, use 1 lb. to 2 gals. water; for summer, 1 lb. to 4 gals. water. 1 lb. 10c; case 25 to 50 lbs. 7c per lb.; case 160 lbs. 5c per lb.

No. 1 Compound. Summer Wash. 1 lb. 15c; 100 lbs. \$10.00.

Paris Green. $\frac{1}{2}$ lb. can 25c; 1 lb. can 40c; 5 lb. can \$1.50.

London Purple. 1 lb. 25c; 5 lbs. \$1.00.

Rosin. 1 lb. 10c; 100 lbs. \$4.00.

Sulphur. 1 lb. 10c; 10 lbs. 30c.

Babbitt's Lye. 10c. per can.

Sulphate of Copper. 1 lb. 10c; 10 lbs. 60c.

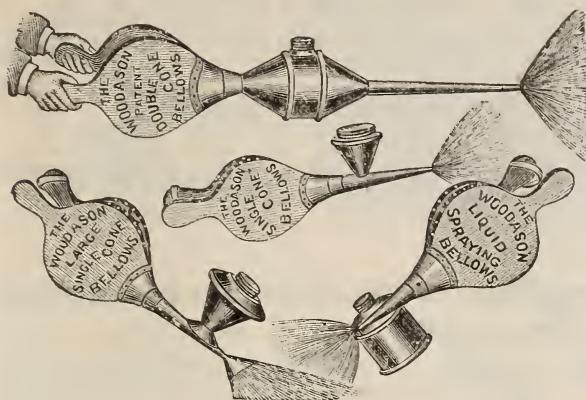
Quassia Chips. 1 lb. 10c; 10 lbs. or more, 6c. per lb.

Lime. Per barrel, \$1.20.

MISCELLANEOUS.

**LIGHTNING BUG****EXTERMINATOR.**

Kills, exterminates or drives away every living thing that is obnoxious to yourself, animals or crops. Price \$1.00. By mail postpaid \$1.25.



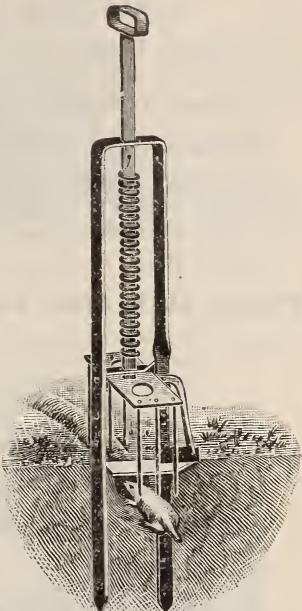
Sprayers, Woodason's Liquid, like cut, \$1.50 and \$2.00.

Powder Bellows, Woodason's Single Cone, \$1.15.

Powder Bellows, Woodason's, Large Single Cone, \$2.00.

Powder Bellows, Woodason's, Double Cone, \$3.00.

The Woodason should not be confounded with the inferior bellows now being put on the market by some firms. Of these cheaper makes we offer the small Liquid Sprayer at \$1.00, and the Large Liquid Sprayer at \$1.35.



Reddick Mole Trap.

The best cheap Mole Trap we have ever offered. Price \$1.00.



Hyacinth
Glasses.

Each....25c

6 ft.....	\$.75
8 ft.....	.75
10 ft.....	.85
12 ft.....	1.00



Pruning Saws.

California, 12-inch.....	70c
California, 14-inch.....	.75c
Wonder, 18 inch.....	.80c
Wonder, 20-inch.....	.85c

Pruning Shears.

Levin Pruner, $\frac{1}{2}$ inch cut, 75c. postpaid.

Levin Pruner, $\frac{3}{4}$ inch cut, \$1.00 postpaid.

No. 4665, 9-inch, 75c; by mail, 90c.

No. 52, 9-inch, drawcut, \$2.00; by mail, \$2.15.

No. 59, 9-inch, polished handles, \$1.00; by mail, \$1.20.

No. 140, 9-inch, best German make, \$1.50; by mail, \$1.65.

No. 14. A good cheap Shear, 50c; by mail, 65c.

No. 0. Similar to above, cheaper, 40c; by mail 55c.

Also other styles.

Buckeye Pruners, No. 2, 28-inch.....\$1.25

Buckeye Pruners, 24-inch.....1.00

Pruning, Budding and Grafting Knives, best makes, prices from 25c to \$1.25.



Brass Syringes for Spraying.

Length of barrel, 6 inches, \$1.00; by mail, \$1.05.

" " 8 " 2.00; " 2.10.

" " 14 " 2.75; " 2.95

" " 14 extra quality, \$3.50; by mail, \$3.75.



Excelsior Weeders ..20c

Noyes' hand Weeder..30c

Hazeltine's Weeder..34c

Combination Weeder..30c



Scollay Sprayer.

Four sizes—50c. 75c. \$1.00 and \$1.25.

GARDEN TOOLS AND IMPLEMENTS.

Western Improved. All Steel Horse Hoe and Cultivator, similar in general appearance to the Planet Jr. No. 6. Price \$6.50.

Cahoon Hand Seeder. Price \$3.75.

Granger Hand Seeder. Price \$3.50.

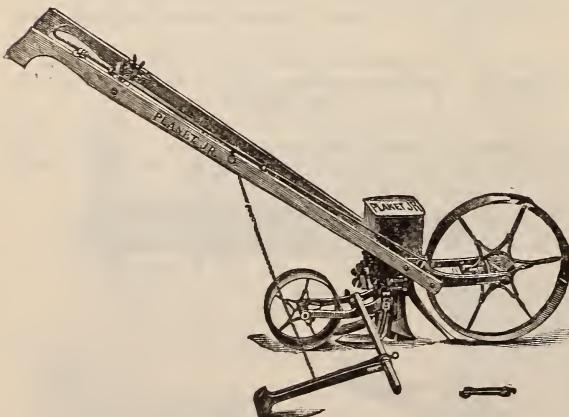
Diamond Hand Cultivator. A strong, light tool which will do a great variety of work and is offered at a very low price

Single Wheel "Diamond," \$4.00.

Double Wheel "Diamond," \$5.00.

PRICE LIST AND DESCRIPTION OF "PLANET JUNIOR" GOODS.

Planet Jr. No. 1, Combined Drill, Cultivator and Plow.....	weight 47 lbs.	\$ 9 50
" No. 2, Garden Drill	" 40 "	7 00
" No. 3, Single Wheel Hill Dropping Drill.....	" 49 "	9 50
" No. 4, Single Wheel Hill Dropping Drill and Cultivator Combined.....	" 45 "	10 50
" No. 4, Single Wheel Hill Dropping, Plain (Drill only)....	" 37 "	7 50
" No. 5, Single Wheel Market Gardner's Hill Dropping Drill	" 45 "	13 00
" Fertilizer and Pea Drill	" 59 "	14 00
" " " Seed " Combined.....	" 96 "	17 00
" No. 10, Double Wheel Hoe Complete	" 37 "	6 50
" " " " Plain.....	" 28 "	4 00
" No. 11, " " " Complete.....		8 50
" " " " plain (hoes only).....		4 50
" Single Wheel Hoe, complete (1896 style).....	" 25 "	5 00
" " " plain	" 18 "	3 25
" No. 15, Single Wheel Hoe, complete.....	" 25 "	6 50
" " " " plain.....	" 20 "	3 50
Fire Fly Single Wheel Hoe.....	" 23 "	4 25
" Hand Plow.....	" 13 "	2 50
Onion Set Harvester for Hand Cultivators.....		1 25
" " Attachment for seed to grow sets, hand tool.....		60
Planet Jr. No. 5, Horse Hoe, common wheel	" 71 "	7 25
" No. 6, Horse Hoe and Cultivator, combined, lever wheel..	" 75 "	7 50
" No. 8, Horse Hoe and Cultivator, similar to No. 6, but having Depth Regulator.....	" 83 "	8 50
" Twelve-Tooth Harrow, with Pulverizer, complete.....	" 72 "	8 50
" Orchard Cultivator and Universal Harrow (cuts 5 ft. 3 in.)	" 355 "	38 00
" Spring Tooth Universal Cultivator, 2-Horse.....	" 342 "	35 00
Pivot Wheel Cultivator, complete, 2-Horse.....	" 425 "	44 00



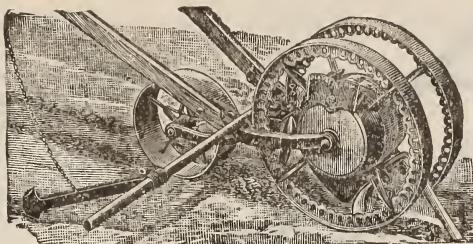
Planet Jr. No. 3, Single Wheel Hill Dropping Drill.

This is still a new machine, although large numbers of practical men used them with satisfaction in 1896-7. It holds two and one-half quarts, and sows all kinds of garden seed with the greatest regularity. It opens the furrows, drops either in hills or drills at pleasure, covers, rolls down and marks the next row, all at one operation. When used as a hill dropper it may be so arranged as to plant the seed either four, six, eight, twelve or twenty-four inches apart.

We issue a Catalogue of Bee Keepers Supplies in the spring.
If interested in that line write for a copy.



Fire Fly Hand Plow.

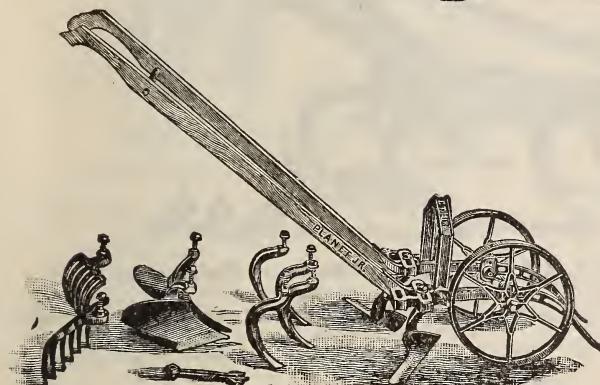
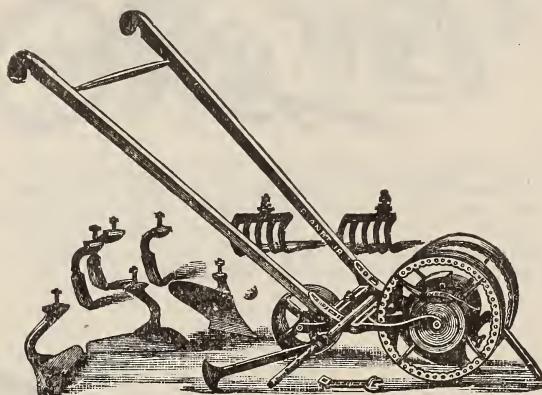


No. 2 Drill.

This is a simple and most accurate drill, and has been the standard machine for years. It holds 2½ quarts. It sows all garden seeds accurately at any desired thickness or depth.

Planet Jr. No. 1 Combined Drill, Wheel Hoe, Cultivator and Plow.

This tool is the most popular **Combined Garden Tool** known. As a **Drill** it is similar to and as carefully made as No. 2, though somewhat smaller, holding one quart. As a **Wheel Hoe**, **Wheel Cultivator** or **Wheel Plow**, it is nearly equal to the tools described below. Each machine is sent out with all the tools shown in cut.

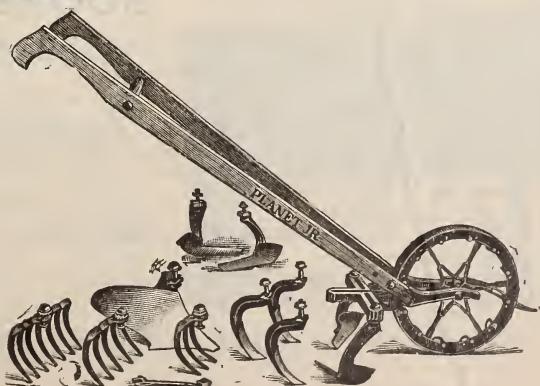


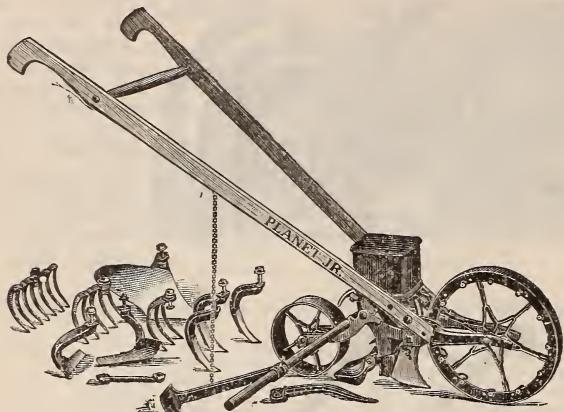
The Planet Jr. No. 10, Double Wheel Hoe, Cultivator and Plow.

This tool is the best for all who raise onions or garden vegetables on an extensive scale. It does the work of six to ten men with ordinary hand hoes. It can be used to straddle the row, or between rows, as desired. It has all the attachments shown in cut.

Planet Jr. No. 15, Single Wheel Hoe, Cultivator, Rake and Plow.

For 1898 we offer the No. 15, Single Wheel Hoe, greatly improved. It is the latest and best in every particular, and we recommend it as superior, in many respects, to any of the old styles. It has a greater variety of tools than we have before offered.

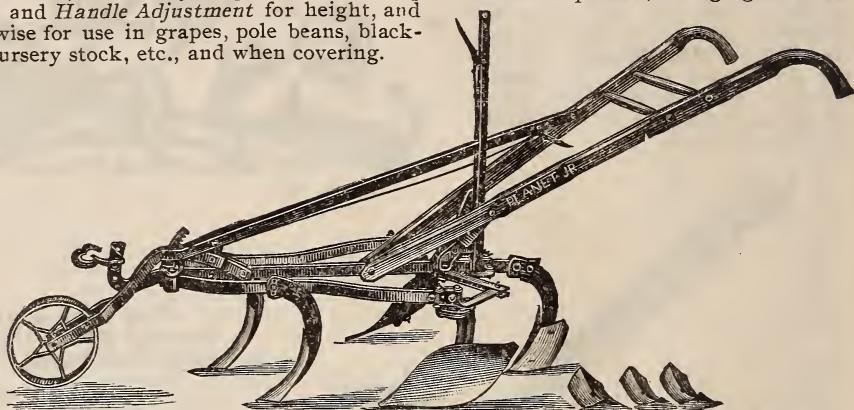




Planet Jr. No. 4, Single Wheel Hill Dropping Drill, Hoe and Cultivator, Combined.

We are pleased to offer for 1898 a new combined tool of such excellence that we can scarcely recommend it too highly. It combines conveniently in a single garden implement, a capital hill-dropping and a continuous row seeder, with the most perfect and complete single wheel hoe, cultivator, rake and plow that the most particular can desire.

Perhaps no single cultivating tool now made is so widely and favorably known as the "**Planet Jr.**" Combined Horse Hoe and Cultivator. Chief among the late improvements are the *Lever Wheel*, a necessity for particular work; patent *Lever Expander*, changing the width instantly; and *Handle Adjustment* for height, and also side wise for use in grapes, pole beans, blackberries, nursery stock, etc., and when covering.



The Planet Jr. No. 6, All Steel, Horse Hoe and Cultivator.

For descriptions of other styles see *Planet Jr. Catalogue* which will be mailed on application.

BOOKS.

We offer a list of good books for the Gardener, Farmer, and Fruit Grower. Any of them will be mailed postpaid at the prices named:

Barry's Fruit Garden	\$ 2.00
Bommer's Method of Making Manures, a practical and comprehensive guide25
Cauliflowers and How to Grow Them,—Brill.....	.20
Garden and Farm Topics,—Henderson....	1.00
Gardening for Profit,—Henderson	2.00
Gregory on Fertilizers,.....	.40
Mushrooms. How to Grow Them,—Wm. Falconer.....	1.50
Parsons on the Rose.....	1.00
Vegetables Under Glass,—Dreer25
Question Box on Cattle & Dairy.....	.30

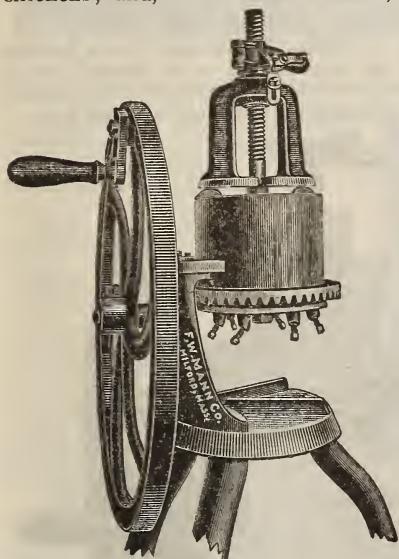
Books on Bees are listed in Bee Supply Catalogue.

POULTRY SUPPLIES.

We carry a full line of Poultry Supplies. Some of our specialties are Mann and Dandy Bone Cutters, for which we are Northwestern Agents. We also represent the Petaluma Incubator Co. We invite your consideration of the following list which contains most of the items in this line that we carry.

Mann Bone Cutters. The Mann is without doubt the leading green bone cutter. It cuts up bone with the meat and gristle on into proper condition for feeding to chickens; and, as this feed of bone, meat, etc., is now acknowledged to be the very best

for the production of eggs, a bone cutter is almost a necessity in a medium or large sized poultry yard. In fact, the prices of the smaller sizes of Mann cutters bring them within the reach of those who have only small yards. As we are Northwestern agents for this mill, we shall have a large assortment of sizes in stock. If you want a bone cutter and want the best, write us, or call at our store.



New No. 4 B. M. Mann.

We give a sample of what our customers say of the Mann.

Portland Seed Co.

Portland, Oregon.

Gentlemen: I write to say that after a good trial of the Mann Bone Cutter, which I wished to give it before having anything to say, that it has more than met my expectations and is fully all that has been claimed of the machines. Preparing even the hardest beef bones in the best possible manner for feeding any kind of poultry, and after feeding green bone for years I consider it one of the best foods for making hens lay. Therefore to any one who is raising poultry for profit, I consider a Mann Bone Cutter indispensable.

Portland, Oregon, Jan. 20, 1898.

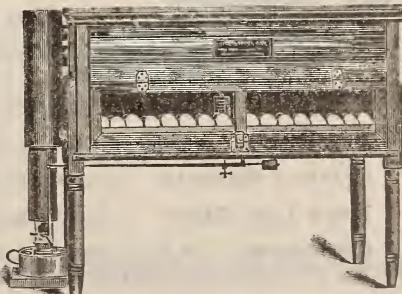
Yours truly,

(Signed) E. R. POPPLETON.

Petaluma Incubators. Being agents for these fine machines, we shall carry a stock and be prepared to serve customers promptly. If you want a first-class Incubator, one that has stood the test of years of actual use, order a Petaluma. We will send a full descriptive catalogue of the different styles if you send a postal card asking for it.

Petaluma Incubator,	50 egg capacity	.. \$10 00
"	130-egg "	.. 20 00
"	350-egg "	.. 40 00
" Indoor Brooder	100-chick "	.. 5 00
" Outdoor "	100-chick "	.. 12 00

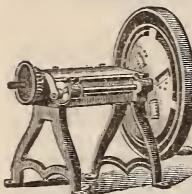
At these prices Petaluma machines are sent freight prepaid to any railroad point or steam-boat landing in Oregon, Washington, Idaho, or British Columbia.



130 Egg Petaluma.

Little Gem Incubator,	100-egg capacity.....	\$12 50
" "	120-egg "	20 60
" "	200-egg "	27 50
Hot Water Brooder,	200-chick "	12 00

These prices f. o. b. Portland.



No. 1, Dandy.

The **Dandy Bone Cutter** is one of the newer machines but is a well planned and thoroughly reliable, strong, well made, compact, easy running machine. The principle is good and the results accomplished by its use is so satisfactory that it has quickly come to the front. It cuts all kinds of bone in a rapid manner and does not turn hard or clog. The feed is automatic and can in a moment be changed from a fine cut to medium or coarse. In fact, it will perform the work desired and is offered at a reasonable price. We particularly commend to the consideration of our patrons the style represented in the tools 1, 2 and 3.

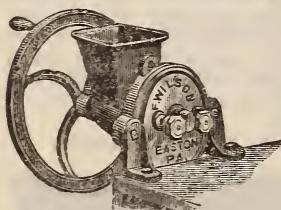
Weight.

No. 0 (with crank handle)	35 lbs.	\$ 6.50
No. 0 (with balance wheel)	65 "	8.50
No. 0 (with bal. wheel Mntd.)	100 "	12.00
No. 1 (with bal. wheel)	100 "	12.00
No. 1 (with bal. wheel Mntd.)	135 "	15.00
No. 2 (with bal. wheel)	100 "	13.75
No. 2 (with bal. wheel Mntd.)	135 "	16.50
No. 3 (with bal. wheel Mntd.)	165 "	20.00
No. 8 (Power machine)	250 "	36.00

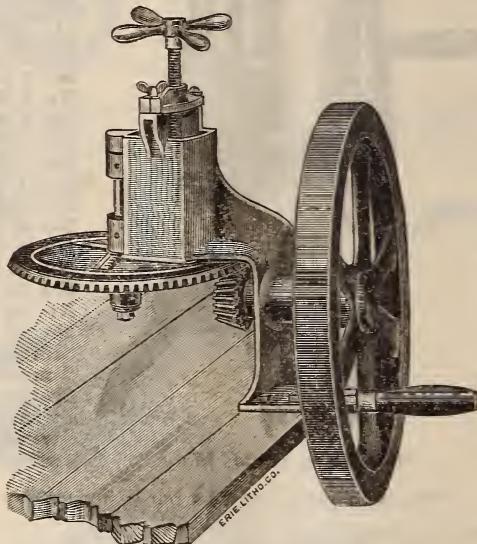
One of our customers writes:

"We have yet to receive the first complaint of any kind regarding the '**Dandy**' and consider it far ahead of any other mill on the market."

Webster Bone Mill. We have handled the Webster for some time, and we find it to be first-class. It has an automatic feed, an extra cutter head, and is well worth the price asked for it. Price No. 2, \$12.00.



Wilson Mill.



No. 0, Dandy, with Balance Wheel.

Wilson Bone Mill. For grinding shell, burned bones, feed, etc. \$6.00.

Liquid Sprayer. Especially good for distributing Creosozone and other liquid. Small size, best quality, \$1.50; second quality, \$1.00. Large size, best quality \$2.00; second quality \$1.35.

Nest Eggs. White glass, each, 5c; per doz., 30c.

Medicol Eggs. For the hen's nest. By mail, 15c. each.

Stoneware Drinking Fountain. 2 quarts, each 40c.

" " " " 4 " 50c. and 65c.

Leg Bands. Brass. Adjustable. For marking fowls; per doz., by mail, 25c.

Chicken Markers. Punch for membrane of the feet. Large or small, by mail 25c.

Lee's Lice Killer. A liquid insect destroyer. $\frac{1}{2}$ gallon 60c.

Creosozone. In liquid form. A sure remedy for chicken lice, etc. The best thing in this line ever put on the market; per quart can, 50c.

Thanolice. New. A powder. Sure death to insects of all kinds. Small box, 25c; large box 50c.

Incubator Thermometer. Glass; tested. By mail, \$1.00.

Incubator Thermometer. Metal back. By mail, 75c.

Wellington's Egg Food. A first-class egg producer. Highly recommended by many who have used it. 1 lb. 25c; 3½ lbs. 75c; 10 lb. box, \$2.00.



(Trade Mark.)

Imperial Egg Food. The best known and standard egg food. 1 lb. 45c; 2½ lbs. 90c; 6 lb. boxes \$1.75; 10 lb. boxes \$2.50; 25 lb. kegs, \$6.00 (costing only 50 cents per week to feed one hundred hens.)

Morris' Poultry Cure. Challenges the world to produce anything better as an egg producer, and a preventative and cure for all diseases of fowls. ½ lb. 25c; 1 lb. 50c.

Caponizing Sets. PILLING'S PHILADELPHIA. Complete, with instructions; by mail, \$2.50; in velvet lined case, \$2.75.

No. 5. A good caponizing set, in pasteboard box, by mail, \$2.00.

Roup Pills. Per box of about 100, 50c.

Flood's Roup Cure. Per tube, by mail, \$1.00.

Roup Syringes. 10c.

French Poultry Killing Knife. By mail, 50c.



Perfection Clover Cutter. The best low priced Clover cutter on the market; \$3.00.

Wire Poultry Netting. This now has come to be almost an indispensable article about a poultry yard. We offer the best quality in pieces 150 feet in length and widths as follows:

MESH	No.	12	18	24	30	36	42	48	60	72
	Wire	in.	in.	in.	in.	in.	in.	in.	in.	in.
2 inch....	20	.70	\$1.00	\$1.35	\$1.70	\$2.05	\$2.35	\$2.70	\$3.40	\$4.00
2 inch....	19	.75	1.15	1.50	1.90	2.25	2.65	3.00	3.75	4.50

Short lengths, 1 cent per square foot.

Ground Bone ought to be in the reach of the Poultry at all times. Per lb. 5c; 100 lbs. \$1.50.

Ground Oyster Shells. Per lb. 5c; 100 lbs. 90c.

Sunflower Seed. 1 lb. 10c; 100 lbs. \$5.00.

Book. 500 questions and answers; by mail 25c.

" Blanchard's Account, very useful; by mail 40c.

" Practical Caponizing, and How to Make it Pay; by mail 25c.

" American Standard of Perfection; by mail, \$1.00.

" The Art of Incubation and Brooding; by mail, 85c.

" A B C of Poultry Culture; by mail, 25c.

" Pigeon Queries; by mail 25c.

We are constantly adding to our stock of supplies for Poultry keepers and if anything is wanted which is not listed here write us about it, as we can undoubtedly furnish it.

Thoroughbred Poultry. We are in a position to supply a full line of the very best breeds and should be pleased to make quotations at any time.

PLANT DEPARTMENT.

We wish to call the attention of our customers to our select list of Roses and other plants. Our stock is all grown in 2½ and 3 inch pots, is strong and healthy and cannot fail to give satisfaction. We send all plants by mail postpaid unless ordered otherwise. 5c. extra for postage must accompany orders for less than 50c. worth.

EVERBLOOMING ROSES.

10 Cents Each; 7 for 50 Cents; 15 for \$1.00.

Arch Duchesse Isabella. A beautiful bed-ding rose; large, full form, perfectly double; delightfully fragrant; white, shaded with rosy carmine.

Bride. The finest white rose ever offered. The buds are very large and of exquisite form, and the full flower is very double, measuring from three and one-half to four inches in diameter.

Catherine Mermet. A very beautiful Tea Rose, valued highly for its beautiful buds. Faultless in form, and charming in every shade of color from the purest silvery rose to the exquisite blend of yellow and rose which illuminates the base of the petals.

Dr. Dussillet. Flowers large and fine; color, clear yellow, shaded rose; a very fine variety.

Etoil de Lyon. Sulphur yellow, deeper in the center; very large full, and of fine form. One of the finest yellow roses.

H. M. Stanley. Very large flowers of great substance; color, beautiful amber rose, delicately tinged apricot yellow. One of the rarest colored roses in our collection.

Isabella Sprunt. Bright canary yellow; large, beautiful buds; valuable for cut flowers; very sweet tea scent; profuse bloomer.

Marie Guillot. A splendid rose, first-class in every respect. Color, pure snow white, sometimes faintly tinged pale yellow.

Marie Van Houtte. Of a fine, faultless straw yellow color; outer petals washed and outlined with a bright, rosy carmine; occasionally the whole flower will be suffused with light pink.

Madame Scipion Cochet. Vigorous in growth with fine healthy foliage; color, pale rose, shaded with clear yellow, making a charming combination of coloring. One of the best.



Papa Gontier.

Papa Gontier. A magnificent red rose; flowers large and semi-double; a vivid cherry red color shaded yellow, reverse of petals crimson; free growing, and flowering very profusely. One of the very best and most valuable for open ground. No other red Tea rose can compare with it.

Madam Martha du Bourg. This is a lovely rose. The color is a fine creamy pink, with rosy flesh center; the buds, and sometimes the flowers are beautiful apricot yellow, flushed with fine orange red.

Senateur Loubet. Large, finely-formed flowers, outer petals light rose color, center clear yellow, heightened to crimson; very fine flowering.

Sunset. This grand rose is a favorite wherever known. The color is a rich, golden amber, or old gold, elegantly shaded with dark, ruddy copper; the flowers and buds are extra large, full, finely formed and deliciously perfumed; 15 cents.

White La France. In this new variety we have one that we can recommend to all. Beautiful pearly white, sometimes tinted with fawn. A grand variety for any purpose and should be planted by every lover of fine roses.

CLIMBING ROSES.

Price 10 cents each; set of seven sorts 50 cents.

Crimson Rambler. A charming pillar rose. The flowers grow in great pyramidal panicles; each carry thirty to forty blooms; the flowers are one to one and one-half inches in diameter, and remain in perfect condition on the plants for a long time.

The color is a bright, vivid crimson, showing none of the purplish tint so commonly seen in crimson roses.

America. Very large beautiful buds; flowers rich creamy yellow passing to orange; very double and sweet.

James Sprunt. Deep, cherry red flowers, full and very double and sweet.

Madame Alfred Carriere. Extra large, full flowers, very double and sweet, and a most profuse bloomer; color, rich creamy white, faintly tinged pale yellow.

Marechal Neil. A magnificent deep, golden yellow variety; so famous as to need no description. Grown the world over for

its immense yellow flowers. The finest rose of its color in existence.

Elie Beauvilain. Flowers very large and full; fine silvery rose, tinted coppery yellow. A rapid climber of great merit.

Golden Chain, or Climbing Safrano. (*Reve d' Or.*) A beautiful pillar rose, being a strong climber. Color, orange-yellow, or deep saffron, good size, full and sweet.

HARDY ROSES.

Price 10 cents each.

Baron de Bonstettin. Splendid large flowers, very double and full; color, rich, dark red, passing to deep, velvety maroon.

Coquette des Alps. A lovely pure white rose; large, full, finely formed flowers, borne in great profusion. A very desirable variety.

General Jacqueminot. Bright, shining crimson, very rich and velvety; exceedingly brilliant and handsome; makes magnificent buds, and is highly esteemed as one of the best and most desirable for open ground.

Set of 6 sorts 50 cents.

Giant of Battles. This is still esteemed as the very best rich red Rose. Very large, double, full and sweet. Excellent.

La Reine. A beautiful, clear, bright rose, fine, full form, very fragrant. It is well named "The Queen."

Marchioness of Lorne. This beautiful rose produces flowers of an exceedingly rich, fulgent rose color, slightly shaded in the center with vivid carmine. They are large and very sweet, full and finely cupped shape. Petals large and buds long and handsome.

CERANIUMS.

Price 10 cents each; 6 for 50 cents; 14 for \$1.00.

Adrienne Corret. Rich currant red, shaded violet. Very fine.

Afterglow. Light salmon, blended with darker shades; center and edge of petals pure white. Extra fine.

Beaute Poitevine. Very large semi-double flowers of a brilliant salmon color. One of the finest varieties.

Bruant. A fine bedding variety; color, bright vermillion red of a most pleasing shade. Trusses very large, often measuring six inches in diameter.

Crimson Velvet. Large flowers of the richest dark, velvety crimson. One of the best.

James Kelway. A most beautiful crimson scarlet, of fine size and satiny texture. Two upper petals slightly recurving. Very pretty.

Le Cid. Rosy carmine shaded to scarlet; very beautiful bedding variety.

La Favorite. Trusses very large. Flowers pure snow white, even when planted in the open ground. Very floriferous.

Madame Hoste. Flowers of enormous size; color, flesh, lined and shaded salmon. One of the finest varieties in existence.

Mary Hill. The finest pure pink variety we know of. The shade is quite even, soft and bright; has a distinct white eye.

Perle. Trusses large and of perfect form; color, pure snowy white.

Protee. Clear silvery lilac; passing to light pink; extra fine.

Queen Olga. Flowers bright pink, upper petals shaded to white. A fine bedding variety.

Souvenir de Miranda. Entirely distinct from any other variety known. Upper petals creamy white, with a distinct rosy pink border; lower petals salmon rose, streaked with clear lilac.

CARNATIONS.

Price 10 cents each; 14 for \$1.00.

American Flag. A most distinct and novel variety. Regularly striped, vivid scarlet and purest white. Vigorous grower and profuse bloomer.

Anna Webb. Color, brilliant dark crimson, shaded with richest maroon; beautifully fringed petals; a splendid bloomer.

Daybreak. *The Favorite Carnation*, because of its rare and lovely color; a very pure bright shade of flesh pink in a large, full-fringed flower of rich fragrance and perfect form. The plant is bushy and strong, blooming early.

Golden Gate. Undoubtedly the finest pure yellow yet introduced; color, pure

golden yellow, without stripe or variation of any kind; beautifully fringed.

J. J. Harrison. Color, a pearly white, delicately edged and striped pink. One of the finest and most beautiful varieties in our collection.

Lizzie McGowan. A grand new sort; flowers very large, pure white, beautifully fringed and very fragrant. Pure in color, perfect in form, healthy and productive.

Mrs. Cleveland. A beautiful shade of salmon pink; large and has a waxy appearance not seen in other varieties.

Puritan. Finest white; extra large size; very fragrant, and an early and profuse bloomer. Flowers of remarkable substance and of fine form.

Portia. Intense bright scarlet; vigorous constitution. Very free flowering. One of the best sorts in cultivation.

President Garfield. A fine scarlet variety; well known and popular.

Silver Spray. A grand pure white, early flowering carnation. Makes a fine bushy plant and bears an abundance of large flowers; nicely fringed, very fragrant.

Tidal Wave. A very attractive shade of carmine not heretofore seen in the carnation family. Flowers extremely double and of the most perfect form.

William Scott. This is a most promising novelty, and undoubtedly the freest blooming of all pink carnations. Every shoot of the strong bushy plant bears its

long, stout stem of fine, full, sweet flowers color bright; color bright, delicate rosy pink.



Rose Queen. This variety has been greatly admired wherever it has been seen for its desirable color, being a beautiful, delicate shade of pink. Flowers of large size and very freely produced. Plant of grand habit and vigorous growth.

LARGE FLOWERING JAPANESE CHRYSANTHEMUMS.

Price 10 cents each; 15 for \$1.00

Col. W. B. Smith. Beautiful incurved flowers, forming a mass of rich golden bronze color; very large and fine; early.

Charles Davis. Rich tawny yellow and golden bronze; very large reflexed petals. One of the finest for exhibition.

Edith Smith. A very large reflexed variety having very broad petals and high built center; color, beautiful creamy white.

Georgeous. Deep golden-yellow of the richest hue, of immense size. The petals are feathery, incurved and whorled. One of the finest, and no collection is complete without it. It is indeed georgeous in its color and bearing.

George W. Childs. No Chrysanthemum has created such a sensation as this. Of immense size, and of the richest, deep, velvety crimson. Winner of four gold medals.

Ivory. Snowy white, of perfect incurved form, very large. This is, undoubtedly, one of the most useful varieties ever introduced.

J. E. Lager. Very early yellow reflexed Japanese, of good size, color and substance.

John Shrimpton. Velvety crimson, a grand Japanese reflexed variety of magnificent form much superior to Cullingfordii.

Louis Boehmer. Pearly pink, brighter in the depths. Very early, incurved Japanese of large size and splendid proportions.

Mad Bergman. Early white, coming into bloom the first week in October; fully six inches in diameter; a fine incurved flower.

Mrs. E. G. Hill. Extra early, of large size and fine form. Color, a pleasing shade of lavender pink, very free in growth with good stem and foliage. The best early pink.

Marion Henderson. A handsome yellow variety of pure tint; splendid in size and form and a magnificent addition to the very early varieties.

Major Bonnaffon. Soft clear primrose, yellow, six inches in diameter and nearly as deep, forming a perfect globe.

MAMMOTH VERBENAS.

The Verbena is one of the prettiest and most popular of all the flowering plants suitable for forming beds on the lawn. It commences to flower and spread from the first day the plants are set until late in the autumn, every day becoming better and more handsome. Our plants are grown with care, and are very robust. New varieties are being constantly introduced and old ones discarded, so that it is difficult, and we might say useless, to offer a long list of named varieties. The colors range through all the different shades of scarlet, purple, crimson, pink, blue, white, etc. Price 8 cents each; 7 for 50 cents.

FUCHSIAS.

10 cents each; 6 for 50 cents.

Phenomenal. The largest fuchsia that grows. Tube and sepals bright coral red; corolla rich violet purple. A very popular sort.

White Giant. A superb new double white variety. Tube and sepals bright scarlet; corolla large, double and waxy white. An excellent grower and profuse bloomer; 15 cents each.

Esmeralda. Tube and sepals bright red; corolla very large and double, of a

beautiful lilac color, changing to clear rose.

Annie Earle. A beautiful new sort; corolla clear carmine, sepals waxy white.

Earl of Beaconsfield. Tube and sepals light rosy carmine; corolla deep carmine. Flowers three inches long and very distinct.

Monsieur Thibaut. A strong grower and free bloomer. Sepals dark red; corolla rose vermillion, tinted violet. An extra fine variety.

MISCELLANEOUS PLANTS.

Agathea Celestis (Blue Daisy). Flowers daisy-shaped, of a delicate light blue color, with a yellow disc. A very fine garden plant; almost hardy; 10 cents each.

Abutilons. Beautiful flowering plants, growing from two to four feet high; flowers pendulous and bell shaped, produced in great abundance. Desirable either as pot plants in winter or for bedding out in summer. Price, 10 cents each; set of six sorts, 50 cents.

Begonias. Most useful, ornamental and handsome house plants. No class of plants will grow and bloom better under ordinary care than the Begonia. Most of the varieties are very free growing, and in a short time make handsome specimen plants. 20 sorts 10 cents each; 6 for 50 cents.

Rex Begonias. Grown for the beauty of their foliage. The leaves are large, variegated and margined with a peculiar silver-metallic gloss. The most ornamental of window plants; also useful in vases, baskets and wardian cases. We offer 20 of the most distinct and handsomely marked varieties, including **Count Louis Erdody** and many other fine new sorts; 15 cents each, four for 50 cents.

Dahlias. We take great pleasure in offering a very choice collection of new Dahlias. Some of them are the magnificent new cactus dahlias, and all are recommended as the most desirable large flowering varieties of recent introduction. Price 15 cents each; 4 for 50 cents.

French Canas. Where brightest and most imposing effects are desired in bedding the Canna is unequalled. Recent years have wrought wonderful improve-

ment in the Dwarf French race, increasing its beauty a hundred-fold. Price 15 cents each, 4 for 50 cents.

Calla Ethiopia (Lily of the Nile). An old and well known house plant; white trumpet-shaped flowers; 10 and 25 each.

ARUM SANCTUM (Black Calla). A recently introduced bulb, bearing very large black flowers. An odd and valuable addition to any collection; 25 cents each.

Cyperus Alternifolius (Umbrella plant) A beautiful easy-growing plant that is admirably adapted to many different modes of culture; in fact, it seems to thrive in almost any situation. Rush like stems with long narrow leaves radiating from the summit at right angles, drooping in an umbrella form; 10 cents each.

Farfugium Grande (Leopard Geranium). A beautiful ornamental foliage plant. The leaves are of thick, leathery texture, dark green in color, with bright yellow spots; 25 cents each.

Ferns. The lightest and most graceful of plants, growing well in the shade. Several fine sorts, 25 cents each.

German Ivy. A vine of rapid growth, with glossy green foliage. Excellent for covering walls, etc.; also a fine house plant; 10 cents each.

Heliotropes. These plants are universal favorites on account of their delightful fragrance. Flowering equally well as bedding plants in the summer or as pot plants in the house during the winter. Price, 10 cents each.

Impatiens Sultani. A new and valuable bedding plant, growing freely and

flowering freely and continually; flowers single, of the richest carmine magenta color. 10 cents each.

Marguerites (Paris Daisies). Excellent bedding plants, blooming profusely all summer. Two sorts, yellow and white, 10 cents each.

Mexican Primrose. A remarkable free flowering plant of low, spreading growth, seldom growing over ten inches high, but inclining to a trailing habit. Flowers about two inches in diameter, of a clear pink color, veined with scarlet, and with a white center; 10 cents.

Primula Chinensis (Chinese Primrose) One of the best of all the plants we cultivate for winter flowers and most worthy of recommendation for window gardening. 10 cents each.

Smilax. A very graceful climber, having delicate and dense foliage and growing freely in any situation. Used largely in cut flower decorations. 10 cents each.

HARDY GARDEN PLANTS.

Achillea. THE PEARL. A choice new plant, bearing during the entire summer pretty white flowers in the greatest profusion; fine for cutting. 10 cents each.

Japanese Anemones. One of the finest hardy herbaceous plants, particularly valuable because of their season of blooming. They commence to open their handsome single flowers, three inches across, in August, and continue to grow in beauty until cut by frost. Pink or White, 10 cents.

Chrysanthemum. MAXIMUM. The giant moon penny daisy, with pure white flowers four inches in diameter. One of the best hardy plants. 10 cents each.

Coreopsis. LANCEOLATA. One of the most beautiful hardy plants in existence, bearing profusely all summer large golden yellow flowers, on long stems, making it especially adapted for cutting. 10 cents each.

Dicentra. SPECTABILIS. (Bleeding Heart). An old ornamental border plant, bearing racemes of rose-colored flowers in the spring; 20 cents.

Salvia Splendens. Among the finest summer and fall blooming plants, bearing long spikes of scarlet flowers. 10 cents each.

Swainsonia Galegifolia Alba. A most desirable overblooming plant, with pure white flowers, produced in sprays of from 12 to 20 flowers each, the individual blooms resembling a Sweet Pea. As a decorative plant for the window or conservatory we know of nothing that will give as much satisfaction as the Swainsonia. 15 cents each.

Tradescantias (Wandering Jew or Joseph's Coat). Excellent basket and vase plants, with beautifully marked foliage. We have two varieties. 10 cents each.

Pelargoniums. These are commonly known as the Lady Washington Geraniums. When in bloom, during the summer months they are very beautiful and ornamental, either as pot plants or in the garden. Price 20 cents each, 3 for 50 cents.

HARDY GARDEN PLANTS.

Gaillardia. GRANDIFLORA. Large, gorgeous flowers, having a red-brown center and petals marked with rings of crimson, orange, vermillion, etc.; 15 cents each.

Helianthus. MULTIFLORUS PLENU. Flowers four inches in diameter, as double as any dahlia, and cover the plant from the ground to the top all through the season. Color, bright golden yellow, very effective in any situation; 10 cents each.

Iberis (Hardy Candytuft). One of the finest of spring flowers; dark evergreen foliage, surmounted by close heads of white flowers. 10 cents each.

Iris. KÆMPFERII. This new class of Iris are quite distinct from all other varieties, and are as beautiful as orchids. The flowers are not surpassed in delicacy of texture or beauty of color, and it is hard to imagine anything more striking than a mass of these many tinted flowers, running through all the shades of white, blue, yellow, purple etc.; finest sorts; 20 cents each, 6 for \$1.00.

INSECTICIDES.

Slug Shot. A special insect destroyer in powder form. Kills all kinds of bugs that trouble an ordinary garden. 1 lb. 15c; 5 lb. pkg. 50c.

Ongerth's Insecticide. An insecticide more concentrated than the above. 1 lb. 25c.

Buhach. A Pyrethrum preparation of good strength. 1 lb. 75c.

Grape Dust. This powder will positively destroy Mildew. If your Roses, Grapes or plants are troubled with this disease you can rid them of it. 1 lb. 15c; 5 lb. pkg. 50c.

Fir Tree Oil Soap. The best thing we know of for killing Green Aphis on shrubbery and garden plants. $\frac{1}{2}$ lb. can 35c; by mail 45c.

See also page 60.

"Klondike" Collection of...

...Flower Seeds and Bulbs



To enable our customers to supply themselves with the choicest varieties of Flower Seeds and Bulbs for a small outlay, we offer the following collections, consisting of fine assortments of favorite flowers. With No. 3 one can fill a whole flower garden with bloom from early spring to late fall.

One packet each of seeds named in the following collections, sent postpaid to any address at prices stated.

NO. 1. SWEET PEAS.

Worth 70c; for 50c.

America, Capt. of the Blues, Countess of Radnor, Emily Henderson, Firefly, Gray Friar, Juanita, Katherine Tracy, Lottie Eckford, Miss Blanche Ferry, Monarch, Mrs. Eckford, Mrs. Gladstone, Red Riding Hood.

NO. 2. PANSIES AND SWEET PEAS.

Worth 80c; for 60c.

Five packets Pansies as follows: Trimardeau Mixed, Parisian Largest Spotted, Fancy Striped, Emperor William, Bronze. Seven packets Sweet Peas, as follows: Boreation, Cardinal, Countess of Radnor, Katherine Tracy, Lemon Queen, Lottie Eckford, Mrs. Sankey.

NO. 3. A COMPLETE FLOWER GARDEN.

Worth \$1.35; for \$1.00.

Ageratum, Alyssum, Chrysanthemum Flowered Aster, Candytuft, Single Canterbury Bell, Margaret Carnation Mixed, Columbine, Cosmos, California Poppy, Fox Glove, Mixed Hollyhock, Larkspur, Marigold, Sweet Mignonette, Imperial Japanese Morning Glory, Tall Nasturtium, Trimardeau Mixed Pansy, Mixed Phlox, Carnation Poppy, Eckford's Sweet Peas, Wallflower.

NO. 4. BULBS.

Worth \$1.05; for 75c; by mail, \$1.00.

1 Double Dahlia, 1 Cactus Dahlia, 6 large Mixed Gladioli, 2 Mountain Roses, 1 Paeonia.

NO. 5. LILIES.

Worth \$1.05; for 60c. postpaid.

1 Auratum, 1 Elegans Incomparable, 1 Kramerii, 1 Langiflorum, 1 Speciosum Rubrum, 1 Tigridium Splendens.

Descriptions of Pansies on pages 50 and 51; of Sweet Peas on pages 53 and 54; General List of Flower Seeds on pages 44 to 54 inclusive; of Bulbs on pages 55 and 56.

Discounts and premiums do not apply on these collections.



PLANTS
ROSES
BULBS



Jackmanii Clematis.

FLOWERING PLANTS

PORTLAND SEED Co.

169 and 171 Second St., PORTLAND, ORE.